

# Quick Reference Guide

CATEGORY	VANDAL DOME CAMERAS																				
MODEL	IPV4B28X	IPV4E28BX	IPV4ES28X	IPV4ES28BX	IPV4Z8AIX	IPV4M28X	IPVLP428X	IPV4428X	IPV4U212MX	IPV4B212MX	IPV4213MAX	IPV5E28X	IPV528X	IPV5M28X	IPV5E212MX	IPV5213MX	IPV54213MX	IPV4KES28X	IPV4K28AIX	IPV4K212MX	
Spec Sheet	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>							
<b>Video</b>																					
<b>Resolution / Description</b>	4MP, IR	4MP, IR	4MP, IR	4MP, IR	4MP, LightHunter, AI, IR	4MP, LightHunter, IR	4MP, LightHunter, Low Profile, IR	2 lens, 4MP, IR	4MP, IR	4MP, IR	4MP, LightHunter, AI, IR	5MP, LightHunter, IR	5MP, LightHunter, IR	5MP, LightHunter, IR	5MP, IR	5MP, LightHunter, IR	5MP, LightHunter, AI, IR	4K (8MP), IR	4K (8MP), AI, IR	4K (8MP), IR	
<b>FPS @ Max Resolution</b>	30 @ 2560 x 1440	25 @ 2688 x 1520	25 @ 2688 x 1520	25 @ 2688 x 1520	30 @ 2688 x 1520	30 @ 2688 x 1520	30 @ 2688 x 1520	25 @ 2688 x 1520	25 @ 2560 x 1440	25 @ 2688 x 1520	30 @ 2688 x 1520	25 @ 2880 x 1620	30 @ 2880 x 1620	30 @ 2880 x 1620	25 @ 2880 x 1620	30 @ 2880 x 1620	30 @ 2880 x 1620	20 @ 3840 x 2160	20 @ 3840 x 2160	20 @ 3840 x 2160	
<b>Lens</b>	Fixed 2.8mm	Fixed 2.8mm	MVF 2.8-12mm	MVF 2.8-12mm	MVF 2.8-13.5mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	MVF 2.8-12mm	MVF 2.7-13.5mm	MVF 2.7-13.5mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm							
<b>Chipset</b>	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar						
<b>Sensor</b>	1/2.9" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/2.7" CMOS	1/3" CMOS	1/3" CMOS	1/3.0" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/3" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	
<b>IR LED (Warm Light) Max Range</b>	98ft (30M)	131ft (40M)	98ft (30M)	98ft (30M)	164ft (50M)	131ft (40M)	131ft (40M)	98ft (30M)	98ft (30M)	131ft (40M)	131ft (40M)	131ft (40M)	164ft (50M)	98ft (30M)	98ft (30M)	131ft (40M)					
<b>Min Scene Illum (Lux)</b>	0.01 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	0.002 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	0.002 (Col); 0 (BW, w/ IR)	0.005 (Col); 0 (BW, w/ IR)	0.002 (Col); 0 (BW, w/ IR)	0.002 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	0.002 (Col); 0 (BW, w/ IR)	0.002 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	0.002 (Col); 0 (BW, w/ IR)	0.002 (Col); 0 (BW, w/ IR)	0.005 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	
<b>WDR</b>	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB							
<b>Corridor Mode</b>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	n/a	n/a	Yes	Yes	n/a	Yes	Yes	Yes	Yes	Yes	n/a	Yes	Yes	
<b>Video Streams</b>	2	2	2	2	3	3	3	3	2	2	3	2	3	3	2	3	2	2	3	3	
<b>General</b>																					
<b>NDA Compliant</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes							
<b>Material</b>	Metal	Plastic	Metal	Plastic	Metal	Metal	Plastic	Metal	Metal	Metal	Plastic	Metal	Metal	Metal	Plastic	Metal	Plastic	Metal	Metal	Metal	
<b>Onboard Storage</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes							
<b>Alarm I / O</b>	n/a	n/a	n/a	n/a	1 / 1	1 / 1	n/a	1 / 1	n/a	n/a	1 / 1	n/a	1 / 1	1 / 1	n/a	1 / 1	3 / 2	n/a	1 / 1	1 / 1	
<b>Audio I / O</b>	0 / 0 B/I Mic	n/a	n/a	0 / 0	1 / 1	B/I Mic	B/I Mic	1 / 1	0 / 0	0 / 0	1 / 1	0 / 0	1 / 1	B/I Mic	0 / 0	1 / 1	1 / 1	0 / 0	1 / 1	1 / 1	
<b>Operating Temp Range</b>	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)							
<b>Conformity Cert's</b>	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10							
<b>Power</b>	12VDC / PoE 4W	12VDC / PoE 5.5W	12VDC / PoE 5.5W	12VDC / PoE 5.5W	12VDC / PoE 4.5W	12VDC / PoE 6.5W	12VDC / PoE 6W	12VDC / PoE 9.1W	12VDC / PoE 6W	12VDC / PoE 8W	12VDC / PoE 7W	12VDC / PoE 7W	12VDC / PoE 7W	12VDC / PoE 6.5W	12VDC / PoE 7.5W	12VDC / PoE 7W	12VDC / PoE 4.9W	12VDC / PoE 4.9W	12VDC / PoE 6W	12VDC / PoE 9W	
<b>SMART Detection Features</b>																					
<b>Motion</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support							
<b>Ultra Motion</b>	n/a	Support	Support	Support	Support	Support	Support	Support	n/a	Support											
<b>Tampering</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support							
<b>Audio</b>	Support	n/a	Support	Support	n/a	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	
<b>Scene Change</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
<b>Defocus</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
<b>Cross Line</b>	n/a	Support	Support	Support	n/a	n/a	n/a	n/a	n/a	Support	n/a	Support	n/a	n/a	Support	n/a	Support	Support	n/a	n/a	
<b>Enter Area</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
<b>Leave Area</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
<b>Intrusion</b>	n/a	Support	Support	Support	n/a	n/a	n/a	n/a	Support	Support	n/a	Support	n/a	n/a	Support	n/a	Support	Support	n/a	n/a	
<b>Deep Learning SMART Features</b>																					
<b>Smart Intrusion</b>	n/a	n/a	n/a	n/a	Support	Support	Support	Support	n/a	n/a	Support	n/a	Support	Support	n/a	Support	Support	n/a	Support	Support	
<b>People Counting</b>	n/a	n/a	n/a	n/a	Support	Support	Support	Support	n/a	n/a	Support	n/a	Support	Support	n/a	Support	Support	n/a	Support	Support	
<b>People Flow Counting</b>	n/a	n/a	n/a	n/a	Support	Support	Support	Support	n/a	n/a	Support	n/a	Support	Support	n/a	Support	Support	n/a	Support	Support	
<b>Crowd Density Monitoring</b>	n/a	n/a	n/a	n/a	Support	Support	Support	Support	n/a	n/a	Support	n/a	Support	Support	n/a	Support	Support	n/a	Support	Support	
<b>Face Capture</b>	n/a	n/a	n/a	n/a	Support	Support	Support	Support	n/a	n/a	Support	n/a	Support	Support	n/a	Support	Support	n/a	Support	Support	
<b>Heat Map</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
<b>Auto Tracking</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
<b>Panoramic Linkage</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
<b>Color Retrieval</b>	n/a	n/a	n/a	n/a	n/a	Support	n/a	Support	n/a	n/a	n/a	n/a	n/a	Support	n/a	n/a	n/a	n/a	n/a	n/a	

# Quick Reference Guide

CATEGORY	TURRET CAMERAS																														
	IP74B2BX	IP74S2BX	IP74S2AX	IP74M2BX	IP74L22MX	IP74B22MX	IP74S22MX	IP74M22MX	IP74S22MX	IP74M22MX	IP74S22MX	IP74M22MX	IP74S22MX	IP74M22MX	IP74S22MX	IP74M22MX	IP74S22MX	IP74M22MX	IP74S22MX	IP74M22MX	IP74S22MX	IP74M22MX	IP74S22MX	IP74M22MX	IP74S22MX	IP74M22MX	IP74S22MX	IP74M22MX			
Spec Sheet	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>									
Video																															
Resolution	4MP, IR	4MP, IR	4MP, LightHunter, AI, IR	4MP, LightHunter, IR	4MP, IR	4MP, IR	4MP, LightHunter, AI, IR	4MP, ColorHunter+ (Wide-ISP), AI, White	4MP, ColorHunter+ (Wide-ISP), AI, White	4MP, Thermal+ Optical, White	5MP, White	5MP, AI, IR	5MP, Pano 180°, AI, IR	5MP, ColorHunter, AI, Dual	5MP, LightHunter, AI, IR	5MP, ColorHunter, White	5MP, LightHunter, AI, IR	5MP, LightHunter, IR	5MP, LightHunter, IR	4K (8MP), AI, IR	4K (8MP), AI, IR	4K (8MP), Wide-ISP, AI, White	4K (8MP), AI, IR	4K (8MP), AI, IR	4K (8MP), ColorHunter, AI, Dual	4K (8MP), ColorHunter, AI, Dual	4K (8MP), Wide-ISP, AI, Dual	4K (8MP), Wide-ISP, AI, Dual	4K (8MP), LightHunter, AI, IR	4K (8MP), Pano 180°, AI, IR	4K (8MP), 180° Multi-Lens, AI, White
FPS @ Max Resolution	25 @ 2560 x 1440	25 @ 2688 x 1520	30 @ 2688 x 1520	30 @ 2688 x 1520	25 @ 2560 x 1440	25 @ 2688 x 1520	30 @ 2688 x 1520	25 @ 2688 x 1520	30 @ 2560 x 1440	30 @ 2688 x 1520	20 @ 2592 x 1468	25 @ 2880 x 1620	30 @ 2880 x 1620	30 @ 2880 x 1620	25 @ 2880 x 1620	30 @ 2880 x 1620	30 @ 2880 x 1620	20 @ 3840 x 2160	20 @ 4096 x 1800	20 @ 4096 x 1800											
Lens	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	MV7.2~12mm	MV7.2~12mm	MV7.2~13.5mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Pano 3.68mm	Fixed 2.8mm	MV7.2~12mm	Pano 3.68mm	Fixed 2.8mm														
Chipset	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar							
Sensor	1/2.8" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.8" CMOS																	
IR LED (Warm Light) Max Range	98ft (30M)	98ft (30M)	98ft (30M)	131ft (40M)	164ft (50M)	131ft (40M)	131ft (40M)	131ft (40M)	[Warm Light Only] 98ft (30M)	[Warm Light Only] 98ft (30M)	98ft (30M)	98ft (30M)	66ft (20M)	98ft (30M)	131ft (40M)	131ft (40M)	98ft (30M)	66ft (20M)	98ft (30M)												
Min Scene Illum (Lux)	0.01 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.002 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.0003 (Col)	0.0003 (Col)	0.01 (Col); 0 (BW, w/IR)	0.03 (Col); 0 (BW, w/IR)	0.03 (Col); 0 (BW, w/IR)	0.001 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.001 (Col); 0 (BW, w/IR)	0.001 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.005 (Col); 0 (BW, w/IR)	0.005 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.01 (Col); 0 (BW, w/IR)	0.0005 (Col); 0 (BW, w/IR)										
WDR	120dB	120dB	120dB	Digital	DWDR	120dB																									
Corridor Mode	n/a	Yes	Yes	Yes	Yes	Yes	Yes	n/a	n/a	n/a	n/a	Yes	n/a	Yes	n/a	n/a	n/a														
Video Streams	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Material	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes							
NSAA Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes							
Material	Metal	Plastic	Metal	Metal	Metal	Metal	Metal	Metal	Plastic	Plastic	Metal	Plastic	Plastic	Metal																	
Onboard Storage	Yes	Yes	Yes	No	Yes	n/a	Yes																								
Alarm I / O	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
Audio I / O	0 / 0 0 / 0	0 / 0 0 / 0	1 / 1 0 / 0	0 / 0 0 / 0																											
Operating Temp Range	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)								
Conformity Cert	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV	IMV							
Power	12VDC / PoE 4W	12VDC / PoE 4.4W	12VDC / PoE 4W	12VDC / PoE 6.5W	12VDC / PoE 6W	12VDC / PoE 7.5W	12VDC / PoE 7W	12VDC / PoE 2.8W	12VDC / PoE 2.8W	12VDC / PoE 12W	12VDC / PoE 3.5W	12VDC / PoE 2.8W	12VDC / PoE 5.5W	12VDC / PoE 7W	12VDC / PoE 7.5W	12VDC / PoE 6.5W	12VDC / PoE 7W	12VDC / PoE 4.5W	12VDC / PoE 5W	12VDC / PoE 3.9W	12VDC / PoE 5W	12VDC / PoE 6.0W	12VDC / PoE 11.5W	12VDC / PoE 6W	12VDC / PoE 5.5W						
SMART Detection Features																															
Motion	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support							
Ultra Motion	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support							
Tempering	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support							
Audio	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support							
Scene Change	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
Defocus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
Cross Line	n/a	Support	n/a	n/a	n/a	Support	n/a	Support	Support	n/a	Support	n/a	Support	Support	Support	n/a															
Enter Area	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
Leave Area	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
Intrusion	n/a	Support	n/a	n/a	Support	Support	n/a	Support	Support	n/a	Support	n/a	Support	Support	Support	n/a															
Smart Learning SMART Features																															
Smart Intrusion	n/a	n/a	Support	Support	n/a	n/a	Support	n/a	Support	n/a	n/a	n/a	Support	n/a	n/a	n/a	Support														
People Counting	n/a	n/a	Support	Support	n/a	n/a	Support	n/a	Support	n/a	n/a	n/a	Support	n/a	n/a	n/a	Support														
People Flow Counting	n/a	n/a	Support	Support	n/a	n/a	Support	n/a	Support	n/a	n/a	n/a	Support	n/a	n/a	n/a	Support														
Crowd Density Monitoring	n/a	n/a	Support	Support	n/a	n/a	Support	n/a	Support	n/a	n/a	n/a	Support	n/a	n/a	n/a	Support														
Face Capture	n/a	n/a	Support	Support	n/a	n/a	Support	n/a	Support	n/a	n/a	n/a	Support	n/a	n/a	n/a	Support														
Color Retrieval	n/a	n/a	Support	Support	n/a	n/a	Support	n/a	Support	n/a	n/a	n/a	Support	n/a	n/a	n/a	Support														

# Quick Reference Guide

CATEGORY	IP BULLET CAMERAS																				
	MODEL	IP4P8B247MX	IP4A528X	IP4A28AX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX	IP4A121MX
Spec Sheet	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link	Link						
Video																					
Resolution	2MP LPR, White	4MP, White	4MP LightHunter, AI, White	4MP, White	4MP, White	4MP, LightHunter, AI, White	4MP Long Range, LightHunter, White	4MP, Thermal/Optical, White	4MP LPR, White	4MP, Wide-SP, AI, White	4MP, Wide-SP, AI, White	4MP, Wide-SP, AI, White	4MP, Wide-SP, AI, White	4MP, Wide-SP, AI, White	4MP, Wide-SP, AI, White	4MP, Wide-SP, AI, White	4MP, Wide-SP, AI, White	4MP, Wide-SP, AI, White	4MP, Wide-SP, AI, White	4MP, Wide-SP, AI, White	4MP, Wide-SP, AI, White
FPS @ Max Resolution	60 @ 1920 x 1080	25 @ 2555 x 1520	30 @ 2555 x 1520	25 @ 2560 x 1440	25 @ 2655 x 1520	30 @ 2655 x 1520	30 @ 2655 x 1440	30 @ 2655 x 1520	30 @ 2688 x 1520	30 @ 2560 x 1440											
Lens	MVF 4.7~4.7mm	Fixed 2.8mm	Fixed 2.8mm	MVF 2.8~12mm	MVF 2.8~12mm	MVF 2.7~13.5mm	MVF 6.5~14.3mm	Fixed 8mm	MVF 8 to 32mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 4.0mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	MVF 2.7~13.5mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm
Chipset	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar	Mstar						
Sensor	1/2.8" CMOS	1/2" CMOS	1/2" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
IR LED (Warm Light) Max Range	164R (50M)	164R (50M)	131R (40M)	164R (50M)	164R (50M)	164R (50M)	492R (150M)	164R (50M)	164R (50M)	98R (30M)	131R (40M)	98R (30M)	98R (30M)	131R (40M)	98R (30M)	262R (80M)	164R (50M)	164R (50M)	98R (30M)	98R (30M)	131R (40M)
Min Scene Illum (Lux)	0.003 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.01 (Col); 0 (BW, w/IR)	0.005 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.002 (Col); 0 (BW, w/IR)	0.0005 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.0003 (Col)	0.0003 (Col)	0.003 (Col); 0 (BW, w/IR)	0.002 (Col); 0 (BW, w/IR)	0.005 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.002 (Col); 0 (BW, w/IR)				
WDR	120dB	120dB	120dB	n/a	120dB																
Corridor Mode	n/a	Yes	Yes	n/a	Yes	Yes	Yes	Yes	Yes	n/a	n/a	n/a	n/a	Yes							
Video Streams	3	2	3	2	2	3	3	3	3	2	3	2	2	3	2	3	2	2	3	3	3
Compliance	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes						
NDA4 Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes						
Material	Metal	Plastic	Plastic	Metal	Plastic	Metal	Metal	Metal	Metal	Metal	Plastic	Plastic	Plastic	Plastic	Plastic	Metal	Metal	Metal	Plastic	Plastic	Metal
Onboard Storage	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes						
Alarm I/O	2/1	0/0	0/0	0/0	1/1	2/2	2/2	2/2	2/1	1/1	1/1	1/1	0/0	1/1	1/1	1/1	1/1	1/1	0/0	0/0	1/1
Audio I/O	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Operating Temp Range	-40°C ~ 60°C (-40°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-40°C ~ 70°C (-40°F ~ 158°F)	-40°C ~ 60°C (-40°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-40°C ~ 70°C (-40°F ~ 158°F)															
Conformity Cert	IP67, IK10	IP67	IP67	IP67	IP67	IP67	IP67, IK10	IP67	IP67, IK10	IP67	IP67	IP67, IK10	IP67	IP67, IK10							
Power	12VDC / PoE 20W	12VDC / PoE 6W	12VDC / PoE 4W	12VDC / PoE 1.5W	12VDC / PoE 8.5W	12VDC / PoE 21W	12VDC / PoE 12W	12VDC / PoE 20W	12VDC / PoE 2.8W	12VDC / PoE 4.5W	12VDC / PoE 3.2W	12VDC / PoE 3.2W	12VDC / PoE 4.4W	12VDC / PoE 2.8W	12VDC / PoE 10W	12VDC / PoE 6.9W	12VDC / PoE 6.9W	12VDC / PoE 10.5W	12VDC / PoE 10.5W	12VDC / PoE 10.5W	24VAC/24VDC (Injector) 27W
SMART Detection Features																					
Masking	n/a	Support	Support	Support	Support	Support	Support	Support	n/a	Support											
Ultra Motion	n/a	Support	Support	Support	Support	Support	Support	Support	n/a	Support											
Tempering	n/a	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
Audio	n/a	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
Scene Change	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a						
Defocus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a						
Cross Line	n/a	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
Enter Area	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a						
Leave Area	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a						
Intrusion	n/a	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
SMART Learning SMART Features																					
Smart Intrusion	n/a	n/a	Support	n/a	n/a	Support	Support	n/a	n/a	Support	Support	Support	Support	n/a	Support	Support	Support	n/a	n/a	Support	Support
People Counting	n/a	n/a	Support	n/a	n/a	Support	Support	n/a	n/a	Support	Support	Support	Support	n/a	Support	Support	Support	n/a	n/a	Support	Support
People Flow Counting	n/a	n/a	Support	n/a	n/a	Support	Support	n/a	n/a	Support	Support	Support	Support	n/a	Support	Support	Support	n/a	n/a	Support	Support
Crowd Density Monitoring	n/a	n/a	Support	n/a	n/a	Support	Support	n/a	n/a	Support	Support	Support	Support	n/a	Support	Support	Support	n/a	n/a	Support	Support
Face Capture	n/a	n/a	Support	n/a	n/a	Support	Support	n/a	n/a	Support	Support	Support	Support	n/a	Support	Support	Support	n/a	n/a	Support	Support
Color Retrieval	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a						

# Quick Reference Guide

CATEGORY	PTZ					FISHEYE		
MODEL	IPCS2428X	IPCS416X	IPCS425X	IPCSDW45X	IPCS4K25X	MODEL	IPFE5360X	IPFE12360X
Spec Sheet	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	Spec Sheet	<a href="#">Link</a>	<a href="#">Link</a>
<b>Video</b>								
Resolution	2MP, Dual Lens, 4x, White	4MP, LightHunter, 16x, White	4MP, LightHunter, 25x, White	4MP, Wise-ISP, 5x, White	4K (8MP), LightHunter, 25x, White	Resolution	5MP, Panoramic 360° Fisheye, White	12MP, Panoramic 360° Fisheye, White
FPS @ Max Resolution	25 @ 1920 x 1080	30 @ 2688 x 1520	30 @ 2688 x 1520	30 @ 2688 x 1520	30 @ 3840 x 2160	FPS @ Max Resolution	30 @ 2592 x 1944	20 @ 4000 x 3000
Lens	Fixed 2.8mm & MVF 4x, 2.8"-12mm	MVF 16x 5.5"-88mm	MVF 25x 4.8"-120mm	MVF 5x 2.7"-13.5mm	MVF 25x 6"-150mm	Lens	Fixed 1.4mm Pano	Fixed 1.8mm Pano
Chipset	Mstar	Mstar	Mstar	Mstar	Mstar	Chipset	Mstar	Mstar
Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	Sensor	1/2.8" CMOS	1/1.7" CMOS
IR LED (Warm Light) Max	164ft (50M)	328ft (100M)	328ft (100M)	130ft (40M)	656ft (200M)	IR LED Max Range	33ft (10M)	49ft (15M)
Min Scene Illum (Lux)	0.002 (Col); 0 (BW, w/IR)	0.005 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)	0.0005 (Col)	0.003 (Col); 0 (BW, w/IR)	Min Scene Illum (Lux)	0.01 (Col); 0 (BW, w/IR)	0.003 (Col); 0 (BW, w/IR)
WDR	120dB	120dB	120dB	120dB	Digital	WDR	120dB	Digital
Corridor Mode	Yes	n/a	n/a	n/a	n/a	Corridor Mode	n/a	n/a
Video Streams	2	2	3	3	3	Video Streams	3	3
<b>General</b>								
NDAA Compliant	Yes	Yes	Yes	Yes	Yes	NDAA Compliant	Yes	Yes
Material	Metal	Metal	Metal	Metal	Metal	Material	Metal	Metal
Onboard Storage	n/a	Yes	Yes	Yes	Yes	Onboard Storage	Yes	Yes
Alarm I / O	n/a	2 / 1	2 / 1	1 / 1	2 / 1	Alarm I / O	1 / 1	2 / 1
Audio I / O	B/I Spkr & 2 x Mic	1 / 1	1 / 1	1 / 1	1 / 1	Audio I / O	1 / 1 B/I Mic x 2	1 / 1 B/I Mic x 2 & Spkr
Operating Temp Range	-20°C ~ 60°C (-4°F ~ 140°F)	-40°C ~ 70°C (-40°F ~ 158°F)	-40°C ~ 70°C (-40°F ~ 158°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-40°C ~ 65°C (-40°F ~ 149°F)	Operating Temp Range	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
Conformity Cert's	IP66	IP66, IK10	IP67, IK10	IP66	IP66	Conformity Cert's	IP67, IK10	IP67, IK10
Power	12VDC / PoE 16W	12VDC / PoE 21W	12VDC / PoE 21W	12VDC / PoE	24VAC/DC/PoE (Injector Req'd) 60W	Power	12VDC / PoE 8.5W	12VDC / PoE 12W
<b>SMART Detection Features</b>								
Motion	Support	Support	Support	Support	Support	Motion	Support	Support
Ultra Motion	n/a	n/a	n/a	Support	n/a	Ultra Motion	n/a	n/a
Tampering	n/a	Support	Support	Support	Support	Tampering	Support	Support
Audio	Support	Support	Support	Support	Support	Audio	Support	Support
Heat Map	n/a	n/a	n/a	n/a	n/a	Heat Map	Support	n/a
<b>Deep Learning SMART Features</b>								
Smart Intrusion	Support	Support	Support	n/a	Support	Smart Intrusion	n/a	Support
People Counting	Support	n/a	Support	n/a	Support	People Counting	n/a	n/a
People Flow Counting	Support	n/a	Support	n/a	Support	People Flow Counting	n/a	n/a
Crowd Density Monitoring	n/a	n/a	Support	n/a	Support	Crowd Density Monitoring	n/a	n/a
Face Capture	n/a	n/a	Support	n/a	Support	Face Capture	n/a	n/a
Heat Map	n/a	n/a	n/a	n/a	n/a	Heat Map	n/a	Support
Auto Tracking	n/a	Support	Support	Support	Support	Auto Tracking	n/a	n/a
Panoramic Linkage	Support	n/a	n/a	n/a	n/a	Panoramic Linkage	n/a	n/a



# Quick Reference Guide

CATEGORY	NETWORK VIDEO RECORDERS (NVR)													
	MODEL	NR04XP	NR08XP	NR16XP	NR16X	NR16XPQ	NR16XKQ	NR24XP	NR32XPQ	NR48XC	NR48XPQ	NR616X	NR12816X	NR25624
<b>System Alarm</b>														
<b>General</b>	Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection
<b>Alert</b>	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal
<b>External Interfaces</b>														
<b>Network</b>	1 x RJ-45 10M / 100M self-adaptive Ethernet Interface	1 x RJ-45 10M / 100M self-adaptive Ethernet Interface	1 x RJ-45 10M/100M/1000M self-adaptive Ethernet Interface	2 x RJ-45 10M / 100M / 1000 self-adaptive Ethernet Interface	1 x RJ-45 10M/100M/1000M self-adaptive Ethernet Interface	1 x RJ-45 10M / 100M / 1000 self-adaptive Ethernet Interface	1 x RJ-45 10M / 100M / 1000 self-adaptive Ethernet Interface	2 x RJ-45 10M / 100M / 1000 self-adaptive Ethernet Interface	2 x RJ-45 10M / 100M / 1000 self-adaptive Ethernet Interface	2 x RJ-45 10M / 100M / 1000 self-adaptive Ethernet Interface	2 x RJ-45 10M / 100M / 1000 self-adaptive Ethernet Interface	2 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface	2 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface	4 x RJ-45 10M / 100M / 1000 self-adaptive Ethernet Interface; 2 x 1000M SFP Ethernet Interface
<b>USB</b>	Rear panel: 1 x USB2.0, 1 x USB3.0	Rear panel: 1 x USB2.0, 1 x USB3.0	Front panel: 1 x USB2.0, Rear panel: 1 x USB3.0	Front panel: 2 x USB2.0, Rear panel: 1 x USB3.0	Front panel: 1 x USB2.0, Rear panel: 1 x USB3.0	Front panel: 1 x USB2.0, Rear panel: 1 x USB3.0	Front panel: 1 x USB2.0, Rear panel: 1 x USB3.0	Front panel: 2 x USB2.0, Rear panel: 2 x USB3.0	Front panel: 2 x USB2.0, Rear panel: 2 x USB3.0	Front panel: 2 x USB2.0, Rear panel: 2 x USB3.0	Front panel: 2 x USB2.0, Rear panel: 2 x USB3.0	Front panel: 2 x USB2.0, Rear panel: 2 x USB3.0	Front panel: 2 x USB2.0, Rear panel: 2 x USB3.0	Front panel: 2 x USB2.0, Rear panel: 2 x USB3.0
<b>RS232</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>RS485</b>	n/a	n/a	n/a	1	1	1	1	1	1	1	1	1	1	1
<b>Alarm In</b>	n/a	n/a	n/a	8-ch	16-ch	24-ch								
<b>Alarm Out</b>	n/a	n/a	2-ch	4-ch	4-ch	4-ch	4-ch	4-ch	4-ch	4-ch	4-ch	4-ch	4-ch	8-ch
<b>Decoding Card Slots (optional)</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2 Slots	n/a	n/a
<b>Power Output</b>	n/a	n/a	n/a	n/a	n/a	n/a	12V	n/a	12V	n/a	12V	12V	12V	n/a
<b>POE</b>	4 x RJ-45 10M/100M self-adaptive Ethernet Interface	8 x RJ-45 10M/100M self-adaptive Ethernet Interface	16 x RJ-45 10M/100M self-adaptive Ethernet Interface	n/a	16 x RJ-45 10M/100M self-adaptive Ethernet Interface	24 x RJ-45 10M/100M self-adaptive Ethernet Interface	n/a	n/a	n/a	n/a	n/a			
<b>Maximum Power</b>	Max 30W for single port Max 50W in total	Max 30W for single port Max 50W in total	Max 30W for single port Max 240W in total	n/a	Max 30W for single port Max 150W in total	Max 30W for single port Max 150W in total	Max 30W for single port Max 150W in total	Max 30W for single port Max 150W in total	Max 30W for single port Max 210W in total	Max 30W for single port Max 210W in total	Max 30W for single port Max 210W in total	Max 30W for single port Max 210W in total	Max 30W for single port Max 210W in total	Max 30W for single port Max 210W in total
<b>Supported Standard</b>	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at	n/a	IEEE 802.3af/at	n/a	n/a	n/a	n/a	n/a				
<b>General</b>														
<b>NDA Compliant</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Power Supply</b>	48V DC / 1.35A Power Consumption: ≤ 10W (without HDD)	53V DC / 1.8A Power Consumption: ≤ 10W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 20W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 25W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 12W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 20W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 20W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 20W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 50W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 50W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 50W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 50W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 50W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 70W (without HDD)
<b>Working Environment</b>	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)	-10°C ~ 55°C (+14°F ~ 131°F) Humidity ≤ 90% RH (non-condensing)
<b>Dimensions</b>	205mm × 212mm × 46mm (8.1" × 8.3" × 1.8")	205mm × 212mm × 46mm (8.1" × 8.3" × 1.8")	380mm × 322mm × 53mm (15.0" × 12.7" × 2.1")	442mm × 426mm × 89mm (17.4" × 16.8" × 3.5")	400mm × 368mm × 74mm (15.0" × 14.5" × 2.9")	442mm × 432mm × 86mm (17.4" × 17.0" × 3.4")	400mm × 368mm × 74mm (15.0" × 14.5" × 2.9")	442mm × 432mm × 86mm (17.4" × 17.0" × 3.4")	442mm × 448mm × 93mm (17.4" × 17.6" × 3.7")	442mm × 432mm × 86mm (17.4" × 17.0" × 3.4")	482mm × 533mm × 131mm (19.0" × 21.0" × 5.1")	482mm × 533mm × 131mm (19.0" × 21.0" × 5.1")	482mm × 533mm × 131mm (19.0" × 21.0" × 5.1")	533mm × 484.6mm × 175.5mm (21.0" × 19.1" × 6.9")
<b>Weight</b>	≤ 0.98kg (2.16lb)	≤ 0.98kg (2.16lb)	≤ 2.6kg (5.73lb)	≤ 5.7kg (12.57lb)	≤ 4kg (8.8lb)	≤ 5.5kg (12.1lb)	≤ 4kg (8.8lb)	≤ 5.5kg (12.1lb)	≤ 6kg (13.23lb)	≤ 6kg (13.23lb)	≤ 6.5kg (14.3lb)	≤ 6.5kg (14.3 lb)	≤ 6.5kg (14.3 lb)	≤ 11.5kg (27.56 lb)
<b>SMART Features</b>														
<b>Ultra Motion Detection</b>	IPC-4	IPC-8	IPC-16	IPC-16	IPC-16-NVR-8	IPC-16-NVR-16	IPC-32	IPC-32-NVR-16	IPC-64	IPC-64-NVR-16	IPC-64	IPC-128	IPC-128	IPC-64
<b>Smart Intrusion Prevention</b>	IPC-4	IPC-8	IPC-16	IPC-16	IPC-16-NVR-4	IPC-16-NVR-8	IPC-32	IPC-32-NVR-8	IPC-64	IPC-64-NVR-8	IPC-64	IPC-128	IPC-128	IPC-64
<b>Face Detection/Capture</b>	IPC-4	IPC-8	IPC-16	IPC-16	IPC-16-NVR-4	IPC-16-NVR-8	IPC-32	IPC-32-NVR-4	IPC-64	IPC-64-NVR-4	IPC-64	IPC-128	IPC-128	IPC-64
<b>Face Recognition</b>	N/A	N/A	IPC-16	IPC-16	IPC-16-NVR-8	IPC-16-NVR-16	IPC-32	IPC-32-NVR-16	IPC-64	IPC-64-NVR-16	IPC-64	IPC-128	IPC-128	IPC-64
<b>Plate Recognition</b>	N/A	IPC-16	IPC-16	IPC-16	IPC-16	IPC-16	IPC-32	IPC-32	IPC-64	IPC-64	IPC-64	IPC-128	IPC-128	IPC-64
<b>Dewarping by NVR</b>	N/A	N/A	1x9MP	2x6MP or 1x4K	1x9MP	N/A	1x9MP	N/A	N/A	N/A	1x12MP	1x12MP	1x12MP	N/A
<b>Human Body Detection</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>VCA Playback/Backup</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>Face Search</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>IR LED (Warm Light) Max Range</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>People Counting (Regular)</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>People Flow Counting (Deep Learning)</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>Crowd Density Monitoring (Deep Learning)</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>Intelligent Mark</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>Scene Change Detection</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>Defocus Detection</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>Auto Tracking</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>Vehicle Recognition by Camera</b>	n/a	n/a	n/a	Support	n/a	Support	n/a	Support	n/a	Support	Support	Support	Support	Support
<b>Heat Map</b>	n/a	n/a	Support	Support	n/a	Support	n/a							
<b>Object Left Behind</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>Object Removed</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>Quad-lens Cameras</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>Box Dome Linkage</b>	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
<b>Point of Sale (POS)</b>	4	8	16	16	16	16	16	32	16	64	64	128	128	16
<b>Thermal Imaging Cameras (Fire Detection, Smoking Detection, Temperature Measurement, Smoking and Fire Detection)</b>	n/a	n/a	n/a	Support	Support	Support	n/a	Support	n/a	Support	Support	Support	Support	Support
<b>Color Attributes Search by NVR</b>	n/a	n/a	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support

# Quick Reference Guide

CATEGORY	ANALOG TURRET CAMERAS	
	UHDT2C28X	UHDT528X
MODEL		
Spec Sheet	<a href="#">Link</a>	<a href="#">Link</a>
<b>Video</b>		
Resolution	2MP 1920 x 1080	5MP 2880 x 1620
Protocol	TVI / AHD / CVI / CVBS	TVI / AHD / CVI / CVBS
Frame Rates	TVI / AHD / CVI: 1080P @ 30fps, 1080P @ 25fps; 720P @ 30fps, 720P @ 25fps CVBS: NTSC, PAL	TVI: 5MP @ 12.5fps TVI/AHD: 5MP @ 20fps CVI: 5MP @ 25fps TVI/AHD/CVI: 4MP @ 30fps, 4MP @ 25fps, 1080P @ 30fps, 1080P @ 25fps CVBS: NTSC, PAL
Lens	Fixed 2.8mm	Fixed 2.8mm
Chipset	Fullhan	Fullhan
Sensor	1/3" CMOS	1/2.7" CMOS
IR LED Max Range	n/a	65ft (20M)
White Light Illuminators Range	One; 65ft (20M)	n/a
Min Scene Illum (Lux)	0.02 (Col); 0 (BW, w/ white light on)	0.02 (Col); 0 (BW, w/ IR)
WDR	Digital	Digital
<b>General</b>		
NDAA Compliant	Yes	Yes
Material	Plastic	Plastic
Power Interface	5.5mm Barrel	5.5mm Barrel
Video Output	BNC	BNC
Alarm I / O	n/a	n/a
Audio I / O	n/a	n/a
Operating Temp Range	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
Conformity Cert's	IP67	IP67
Power	12VDC 2.4W	12VDC 3.6W

# Quick Reference Guide

CATEGORY	ANALOG BULLET CAMERAS				
	UHDB228X	UHDB2C28X	UHDB2C28X	UHDB5EC28X	UHDB5L28X
MODEL					
Spec Sheet	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>
Video					
Resolution	2MP 1920 x 1080	2MP 1920 x 1080	2MP 1920 x 1080	5MP 2880 x 1620	5MP 2880 x 1620
Protocol	TVI / AHD / CVI / CVBS	TVI / AHD / CVI / CVBS	TVI / AHD / CVI / CVBS	TVI / AHD / CVI / CVBS	TVI / AHD / CVI / CVBS
Frame Rates	TVI / AHD / CVI: 1080P @ 30fps, 1080P @ 25fps, 720P @ 30fps, 720P @ 25fps CVBS: NTSC, PAL	TVI / AHD / CVI: 1080P @ 30fps, 1080P @ 25fps, 720P @ 30fps, 720P @ 25fps CVBS: NTSC, PAL	TVI / AHD / CVI: 1080P @ 25fps, 1080P @ 25fps, 720P @ 30fps, 720P @ 25fps CVBS: NTSC, PAL	TVI: 5MP @ 12.5fps TVI/AHD: 5MP @ 20fps CVI: 5MP @ 25fps TVI/AHD/CVI: 4MP @ 30fps, 4MP @ 25fps, 1080P @ 30fps, 1080P @ 25fps CVBS: NTSC, PAL	TVI: 5MP @ 12.5fps TVI/AHD: 5MP @ 20fps CVI: 5MP @ 25fps TVI/AHD/CVI: 4MP @ 30fps, 4MP @ 25fps, 1080P @ 30fps, 1080P @ 25fps CVBS: NTSC, PAL
Lens	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm
Chipset	Fullhan	Fullhan	Fullhan	Fullhan	Fullhan
Sensor	1/3" CMOS	1/3" CMOS	1/2.9" CMOS	1/2.9" CMOS	1/2.7" CMOS
IR LED Max Range	65ft (20M)	n/a	n/a	n/a	131ft(40M)
White Light Illuminators Range	n/a	One; 65ft (20M)	Two; 130ft (40M)	One; 65ft (20M)	n/a
Min Scene Illum (Lux)	0.02 (Col); 0 (BW, w/ IR)	0.02 (Col); 0 (w/ white light on)	0.005 (Col); 0 (w/ white light on)	0.02 (Col); 0 (w/ white light on)	0.005 (Col); 0 (BW, w/IR on)
WDR	Digital	Digital	Digital	Digital	Digital
General					
NDAA Compliant	Yes	Yes	Yes	Yes	Yes
Material	Plastic	Plastic	Metal	Plastic	Metal
Power Interface	5.5mm Barrel	5.5mm Barrel	5.5mm Barrel	5.5mm Barrel	5.5mm Barrel
Video Output	BNC	BNC	BNC	BNC	BNC
Alarm I / O	n/a	n/a	n/a	n/a	n/a
Audio I / O	n/a	n/a	0 / 0 B/I Mic	n/a	0 / 0 B/I Mic
Operating Temp Range	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
Conformity Cert's	IP67	IP67	IP67	IP67	IP67
Power	12VDC 2.88W	12VDC 2.44W	12VDC 3.12W	12VDC 2.4W	12VDC 3.4W

# Quick Reference Guide

CATEGORY	AHD HYBRID VIDEO RECORDERS (HVR)			
MODEL				
Spec Sheet	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>
<b>Video &amp; Audio Inputs</b>				
<b>Analog Video</b>	4-ch, BNC	8-ch, BNC	16-ch, BNC	32-ch, BNC
<b>IP Video</b>	2-ch (only IP up to 6-ch), each channel up to 4MP	4-ch (only IP up to 12-ch), each channel up to 8MP	8-ch (only IP up to 24-ch), each channel up to 8MP	4-ch (only IP up to 36-ch), each channel up to 8MP
<b>Supported Analog Camera Types</b>	AHD Input: 8MP @ 15fps, 5MP @ 20fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 30fps TVI Input: 8MP @ 15fps, 5MP @ 20fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 30fps CVI Input: 8MP @ 15fps, 5MP @ 25fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 30fps CVBS Input: 30fps	AHD Input: 8MP @ 15fps, 5MP @ 20fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 30fps TVI Input: 8MP @ 15fps, 5MP @ 20fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 30fps CVI Input: 8MP @ 15fps, 5MP @ 25fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 30fps CVBS Input: 30fps	AHD Input: 8MP @ 15fps, 5MP @ 20fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 60fps TVI Input: 8MP @ 15fps, 5MP @ 20fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 60fps CVI Input: 8MP @ 15fps, 5MP @ 25fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 30fps CVBS Input: 30fps	AHD Input: 8MP @ 15fps, 5MP @ 20fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 60fps TVI Input: 8MP @ 15fps, 5MP @ 20fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 60fps CVI Input: 8MP @ 15fps, 5MP @ 25fps, 4MP @ 30fps, 1080p @ 30fps, 720p @ 30fps CVBS Input: 30fps
<b>Audio</b>	1-ch, RCA G.711U	1-ch, RCA G.711U	1-ch, RCA G.711U	1-ch, RCA G.711U
<b>Video &amp; Audio Outputs</b>				
<b>CVBS Output</b>	1-ch, BNC	1-ch, BNC	1-ch, BNC	1-ch, BNC
<b>VGA Output</b>	1920 x 1080p 60Hz, 1920 x 1080p 50Hz, 1600 x 1200 60Hz, 1280 x 1024 60Hz, 1280 x 720 60Hz, 1024 x 768 60Hz	1920 x 1080p 60Hz, 1920 x 1080p 50Hz, 1600 x 1200 60Hz, 1280 x 1024 60Hz, 1280 x 720 60Hz, 1024 x 768 60Hz	1920 x 1080p 60Hz, 1920 x 1080p 50Hz, 1600 x 1200 60Hz, 1280 x 1024 60Hz, 1280 x 720 60Hz, 1024 x 768 60Hz	1920 x 1080p 60Hz, 1920 x 1080p 50Hz, 1600 x 1200 60Hz, 1280 x 1024 60Hz, 1280 x 720 60Hz, 1024 x 768 60Hz
<b>HDMI Output</b>	3840 x 2160 / 30Hz, 1920 x 1080p / 60Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz	3840 x 2160 / 30Hz, 1920 x 1080p / 60Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz	3840 x 2160 / 30Hz, 1920 x 1080p / 60Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz	3840 x 2160 / 30Hz, 1920 x 1080p / 60Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
<b>Audio Output</b>	1-ch, RCA	1-ch, RCA	1-ch, RCA	1-ch, RCA
<b>Synchronous Playback</b>	4	8	16	16
<b>Live view display</b>	HDMI / VGA: 1 / 4 / 6 / 8 / 9	HDMI / VGA: 1 / 4 / 6 / 8 / 9 / 16	HDMI / VGA: 1 / 4 / 6 / 8 / 9 / 16 / 25	HDMI / VGA: 1 / 4 / 6 / 8 / 9 / 16 / 25 / 36
<b>Two-way Audio</b>	1-ch, RCA	1-ch, RCA	1-ch, RCA	1-ch, RCA
<b>Snapshot</b>				
<b>FTP / Schedule / Event Snapshot</b>	n/a	n/a	n/a	32-ch snapshot, up to 704 x 576 resolution
<b>Network</b>				
<b>Incoming Bandwidth</b>	40Mbps (Up to 48Mbps after all analog channel conversion)	40Mbps (Up to 56Mbps after all analog channel conversion)	80Mbps (Up to 112Mbps after all analog channel conversion)	80Mbps (Up to 144Mbps after all analog channel conversion)
<b>Outgoing Bandwidth</b>	48Mbps	64Mbps	160Mbps	160Mbps
<b>Remote Users</b>	128	128	128	128
<b>Protocols</b>	TCP/IP, P2P, UPnP, DHCP, HTTP, HTTPS, DNS, DDNS, SMTP	TCP/IP, P2P, UPnP, DHCP, HTTP, HTTPS, DNS, DDNS, SMTP	TCP/IP, P2P, UPnP, HTTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SMTP	TCP/IP, P2P, UPnP, HTTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SMTP
<b>Supported Browsers</b>	IE (IE10/11) for Windows Firefox (version 52.0 and above) for Windows Chrome (version 45 and above) for Windows Edge (version 79 and above) for Windows	IE (IE10/11) for Windows Firefox (version 52.0 and above) for Windows Chrome (version 45 and above) for Windows Edge (version 79 and above) for Windows	IE (IE10/11) for Windows Firefox (version 52.0 and above) for Windows Chrome (version 45 and above) for Windows Edge (version 79 and above) for Windows	IE (IE10/11) for Windows Firefox (version 52.0 and above) for Windows Chrome (version 45 and above) for Windows Edge (version 79 and above) for Windows
<b>Encoding</b>				
<b>Recording Resolution</b>	8MP Lite / 5MP Lite / 4MP Lite / 1080P / 720P / CIF	8MP Lite / 5MP Lite / 4MP Lite / 1080P / 720P / CIF	8MP Lite / 5MP Lite / 4MP Lite / 1080P / 720P / CIF	8MP Lite / 5MP Lite / 4MP Lite / 1080P / 720P / CIF
<b>Recording Frame Rate</b>	Main Stream: 8MP Lite @ 8fps, 5MP Lite @ 12fps, 4MP Lite @ 15fps, 1080p @ 15fps, 720p @ 30fps Sub-Stream: D1 @ 8fps, D1 @ 12fps, D1 @ 15fps, D1 @ 30fps	Main Stream: 8MP Lite @ 8fps, 5MP Lite @ 12fps, 4MP Lite @ 15fps, 1080p @ 15fps, 720p @ 30fps Sub-Stream: D1 @ 8fps, D1 @ 12fps, D1 @ 15fps, D1 @ 30fps	Main Stream: 8MP Lite @ 8fps, 5MP Lite @ 12fps, 4MP Lite @ 15fps, 1080p @ 15fps, 720p @ 30fps Sub-Stream: D1 @ 8fps, D1 @ 12fps, D1 @ 15fps, D1 @ 30fps	Main Stream: 8MP Lite @ 8fps, 5MP Lite @ 12fps, 4MP Lite @ 15fps, 1080p @ 15fps, 720p @ 30fps Sub-Stream: D1 @ 8fps, D1 @ 12fps, D1 @ 15fps, D1 @ 30fps
<b>Audio Sample Rate</b>	8KHz, 16 bit per channel			
<b>Audio Bit Rate</b>	64Kbps per channel	64Kbps per channel	64Kbps per channel	64Kbps per channel
<b>Decoding</b>				
<b>Frame Rate Capability</b>	Analog: 4 x 8MP Lite @ 8, 4 x 5MP Lite @ 12, 4 x 4MP Lite @ 15, 4 x 1080P @ 15 IP: 1 x 4MP @ 30, 2 x 1080p @ 30	Analog: 8 x 8MP Lite @ 8, 8 x 5MP Lite @ 12, 8 x 4MP Lite @ 15, 8 x 1080P @ 15 IP: 1 x 8MP @ 30, 2 x 4MP @ 30, 4 x 1080p @ 30	Analog: 16 x 8MP Lite @ 8, 16 x 5MP Lite @ 12, 16 x 4MP Lite @ 15, 16 x 1080P @ 15, 16 x 720P @ 30 IP: 2 x D1 @ 30, 16 x 720P @ 30, 8 x 1080P @ 30	Analog: 16x8MP Lite @ 8, 16x5MP Lite @ 12, 16x4MP Lite @ 15, 16x1080P @ 15, 16x720P @ 30 IP: 16x720P @ 30, 8x1080P @ 30, 4x4MP @ 30, 2x8MP @ 30
<b>Hard Disk Drive</b>				
<b>SATA</b>	1 Interface Up to 10TB	1 Interface Up to 10TB	2 Interfaces Up to 10TB each	2 Interfaces Up to 10TB each
<b>Maximum Capacity</b>				
<b>System Alarm</b>				
<b>General</b>	Motion Detection	Motion Detection	Motion Detection	Motion Detection
<b>Alert</b>	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording / Snapshot Abnormal
<b>External Interfaces</b>				
<b>Network</b>	1 x RJ45 10M/100M self-adaptive Ethernet Interface			
<b>USB</b>	Rear panel: 2 x USB2.0	Rear panel: 2 x USB2.0	Rear panel: 1 x USB3.0, Front panel: 1 x USB2.0	Rear panel: 1 x USB3.0, Front panel: 1 x USB2.0
<b>RS232</b>	n/a	n/a	n/a	n/a
<b>RS485</b>	1	1	1	1
<b>Alarm In</b>	4 – Terminal Strip			
<b>Alarm Out</b>	1 – Terminal Strip			
<b>General</b>				
<b>NDAA Compliant</b>	Yes	Yes	Yes	Yes
<b>Power Supply</b>	12V DC, Power Consumption: ≤ 10 W (without HDD)	12V DC, Power Consumption: ≤ 10 W (without HDD)	12V DC, Power Consumption: ≤ 12 W (without HDD)	12V DC, Power Consumption: ≤ 38W (without HDD)
<b>Working Environment</b>	-10°C ~ +55°C ( +14°F ~ +131°F ), Humidity ≤ 90% RH(non-condensing)	-10°C ~ +55°C ( +14°F ~ +131°F ), Humidity ≤ 90% RH(non-condensing)	-10°C ~ +55°C ( +14°F ~ +131°F ), Humidity ≤ 90% RH(non-condensing)	-10°C ~ +55°C ( +14°F ~ +131°F ), Humidity ≤ 90% RH(non-condensing)
<b>Dimensions</b>	260 × 226 × 47mm (10.2 × 8.9 × 1.8")	260 × 226 × 47mm (10.2 × 8.9 × 1.8")	380 × 326 × 53mm (15.0 × 12.8 × 2.1")	380 × 326 × 53mm (15.0 × 12.8 × 2.1")
<b>Weight</b>	1.1kg (2.42lb)	1.1kg (2.42lb)	≤ 2.0Kg (4.4lb)	≤ 2.6Kg (5.72lb)
<b>Certifications</b>	FCC, CE, (UL – Power Supply only)			
<b>Smart Features</b>				
<b>Ultra Motion Detection</b>	Analog camera - Support			
<b>Face Detection</b>	IP camera - Support			
<b>Intrusion Detection</b>	n/a	n/a	IP camera - Support	n/a
<b>Cross Line Detection</b>	n/a	n/a	IP camera - Support	n/a
<b>Enter Area / Leave Area</b>	n/a	n/a	IP camera - Support	n/a
<b>Defocus Detection</b>	n/a	n/a	IP camera - Support	IP camera - Support
<b>Scene Change Detection</b>	n/a	n/a	IP camera - Support	IP camera - Support
<b>Object Removed</b>	n/a	n/a	IP camera - Support	IP camera - Support
<b>Object Left Behind</b>	n/a	n/a	IP camera - Support	IP camera - Support
<b>Auto Tracking</b>	n/a	n/a	IP camera - Support	IP camera - Support

For additional product information, please visit us online at [www.univiewtechnology.com](http://www.univiewtechnology.com) or call 1-888-288-7644