

## CAMERAS

CATEGORY	VANDAL													TURRET													
MODEL NUMBER																											
DESCRIPTION	4MP Interior Low Profile Dome NDAA Compliant	4MP Vandal Dome NDAA Compliant	4MP Vandal Dome NDAA Compliant	4MP Vandal Dome NDAA Compliant	4MP Vandal Dome NDAA Compliant	4MP Vandal Dome NDAA Compliant	4MP Vandal Dome NDAA Compliant	4MP Low Profile Vandal Dome NDAA Compliant	5MP Vandal Dome NDAA Compliant	5MP Vandal Dome NDAA Compliant	5MP Vandal Dome NDAA Compliant	5MP Light-Hunter Vandal Dome NDAA Compliant	4K Vandal Dome NDAA Compliant	4MP Turret Dome NDAA Compliant	4MP Turret Dome NDAA Compliant	4MP Turret Dome NDAA Compliant	4MP Turret Dome NDAA Compliant	4MP Turret Dome NDAA Compliant	4MP Turret Dome NDAA Compliant	5MP Turret Dome NDAA Compliant	5MP Light-Hunter Turret Dome NDAA Compliant	5MP Color Hunter Turret Dome NDAA Compliant	5MP Light-Hunter Turret Dome NDAA Compliant	4K Turret Dome NDAA Compliant	4K Turret Dome NDAA Compliant	4K Turret Dome NDAA Compliant	
RESOLUTION	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2880 x 1620	2880 x 1620	2880 x 1620	2880 x 1620	3840 x 2160	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2880 x 1620	2880 x 1620	2880 x 1620	2880 x 1620	3840 x 2160	3840 x 2160	3840 x 2160	
FPS @ MAX. RESOLUTION	30-fps	30-fps	25-fps IPV4E28BX 30-fps IPV428BX	25-fps	30-fps	25-fps	30-fps	30-fps	25-fps	30-fps	25-fps	30-fps	20-fps	30-fps	30-fps	30-fps	30-fps	20-fps	25-fps	25-fps	30-fps	25-fps	25-fps	20-fps	20-fps	20-fps	
LENS	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 4mm	Fixed 4mm	Motorized 2.8-12mm VF	Motorized 2.8-12mm VF	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Motorized 2.8-12mm VF	Motorized 2.7-13.5mm VF	Motorized 2.8-12mm VF	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 4mm	Motorized 2.8-12mm VF	Motorized 2.8-12mm VF	Fixed 2.8mm	Fixed 2.8mm	Fixed 2.8mm	Motorized 2.7-13.5mm VF	Fixed 2.8mm	Fixed 2.8mm	Motorized 2.8-12mm VF	
IMAGE SENSOR	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/3" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/2.8" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/2.8" Prog Scan CMOS	
IR LED RANGE (MAX)	98ft (30M)	98ft (30M)	98ft (30M)	98ft (30M)	98ft (30M)	131ft (40M)	98ft (30M)	98ft (30M)	98ft (30M)	98ft (30M)	131ft (40M)	131ft (40M)	131ft (40M)	98ft (30M)	98ft (30M)	98ft (30M)	98ft (30M)	98ft (30M)	131ft (40M)	98ft (30M)	98ft (30M)	98ft (30M)	131ft (40M)	98ft (30M)	98ft (30M)	131ft (40M)	
MIN. SCENE ILLUM. (LUX)	0.01 (Col); 0 (BW, w/ IR)	0.01 (Col); 0 (BW, w/ IR)	0.003 (Col) IPV4E28BX 0.01 (Col) IPV428BX; 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)	.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)	.003 (Col); 0 (BW, w/ IR)	0.01 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	.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)	.003 (Col); 0 (BW, w/ IR)	0.001 (Col); 0 (BW, w/ IR)	0.002 (Col); 0 (BW, w/ IR)	0.005 (Col); 0 (BW, w/ IR)	0.01 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	
WIDE DYNAMIC RANGE	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
DAY/NIGHT	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
VIDEO COMPRESSION	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265
MULTI-STREAMING	3	3	2 - IPV4E28BX 3 - IPV428BX	2	3	2	3	3	2	3	2	3	3	3	4	3	3	3	2	2	3	3	3	2	3	3	
ONBOARD STORAGE	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot
ALARM (I/O)	-	1/1	1/1 - IPV428BX only	-	1/1	-	1/1	-	-	1/1	-	1/1	1/1	-	-	-	-	-	-	-	-	-	-	-	-	-	
AUDIO (I/O)	1/1; B/I Mic	1/1	1/1 - IPV428BX only	-	1/1	1/0; B/I Mic	1/1	1/1; B/I Mic	1/0; B/I Mic	1/1	1/0; B/I Mic	1/1; B/I Mic	1/1	1/0; B/I Mic	1/0; B/I Mic	1/0; B/I Mic	1/0; B/I Mic	1/0; B/I Mic	1/0; B/I Mic	-	1/0; B/I Mic	1/0; B/I Mic	1/0; B/I Mic	1/0; B/I Mic	1/0; B/I Mic	1/0; B/I Mic	1/0; B/I Mic
ADDITIONAL FEATURES	ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics; Corridor (IPV4E28BX)	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics
ACCESSORIES	See Camera Accessory Guide																										
USER INSTRUCTION MANUAL	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>
OPERATING TEMP RANGE	-35°C ~ 60°C (-31°F ~ 140°F)	-35°C ~ 60°C (-31°F ~ 140°F)	-35°C ~ 60°C (-31°F ~ 140°F) -30°C (-22°F) IPV4E28BX	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ +60°C (22°F ~ 140°F)	-35°C ~ 60°C (-31°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)	-40°C ~ 60°C (-40°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 (-40°F ~ 149°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-40°C ~ 60°C (-40°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 CERTS	CE, FCC	IP67, IK10, CE, FCC	IP67, IK10, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, IK10, CE, FCC	IP67, IK10, CE, FCC	IP67, IK10, CE, FCC	IP67, IK10, CE, FCC	IP67, IK10, CE, FCC	IP67, IK10, CE, FCC	IP67, IK10, CE, FCC	IP67, IK10, CE, FCC	IP67, CE, FCC	IP67, IK10, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, IK10, CE, FCC
POWER	12VDC / PoE 5.5W Max	12VDC / PoE 5.5W Max	12VDC / PoE 5.5W Max	12VDC / PoE 5.5W	12VDC / PoE 4.5W Max	12VDC / PoE 7.5W Max	12VDC / PoE 8.7W Max	12VDC / PoE 6W Max	12VDC / PoE 4.5W Max	12VDC / PoE 4.5W Max	12VDC / PoE 7.5W Max	12VDC / PoE 7W Max	12VDC / PoE 9W Max	12VDC / PoE 6W Max	12VDC / PoE 5.5W Max	12VDC / PoE 4W Max	12VDC / PoE 4W Max	12VDC / PoE 8.16W Max	12VDC / PoE 8W Max	12VDC / PoE 6W Max	12VDC / PoE 9W Max	12VDC / PoE 7.5W Max	12VDC / PoE 7W Max	12VDC / PoE 4.5W Max	12VDC / PoE 5W Max	12VDC / PoE 8.16W Max	

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

## CAMERAS

CATEGORY	BULLET														PTZ					SPECIALTY				
MODEL NUMBER			 IPB428AIX																					
DESCRIPTION	2MP Long Range StarView Bullet	4MP Wi-Fi Bullet NDAA Compliant	4MP Bullet NDAA Compliant	4MP Bullet NDAA Compliant	4MP Bullet NDAA Compliant	4MP Bullet NDAA Compliant	4MP Bullet NDAA Compliant	5MP Bullet NDAA Compliant	5MP Lighthunter Bullet NDAA Compliant	5MP Color Hunter Bullet NDAA Compliant	5MP Bullet NDAA Compliant	5MP Lighthunter Bullet NDAA Compliant	4K Bullet NDAA Compliant	4K Bullet NDAA Compliant	4K, 180° StarView Bullet	4MP Color Hunter Bullet NDAA Compliant	2MP PTZ NDAA Compliant	2MP PTZ NDAA Compliant	5MP Mini-PTZ NDAA Compliant	4K PTZ	4K LightHunter PTZ NDAA Compliant	5MP 360° Panoramic Fisheye NDAA Compliant	12MP 360° Panoramic Fisheye	
RESOLUTION	1920 x 1080	2560 x 1440	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2880 x 1620	2880 x 1620	2880 x 1620	2880 x 1620	2880 x 1620	3840 x 2160	3840 x 2160	4096 x 1800	3840 x 1080	1920 x 1080	1920 x 1080	2880 x 1620	3840 x 2160	3840 x 2160	2592 x 1944	4000 x 3000	
FPS @ MAX. RESOLUTION	60-fps	15-fps	30-fps	25-fps	30-fps	25-fps	30-fps	25-fps	25-fps	25-fps	25-fps	30-fps	15-fps	20-fps	20-fps	25-fps	25-fps	60-fps	30-fps	30-fps	30-fps	30-fps	15-fps	
LENS	Motorized 6.5 ~ 143mm	Fixed 4.0mm	Fixed 2.8mm	Fixed 2.8mm	Fixed 4mm	Motorized 2.8-12mm VF	Motorized 2.8-12mm VF	Fixed 4mm	Fixed 2.8mm	Fixed 4mm	Motorized 2.8-12mm VF	Motorized 2.7-13.5mm VF	Fixed 2.8mm	Motorized 2.8-12mm VF	Fixed 4.2mm x 4	Dual 4mm Fixed Lens	Fixed 2.8mm & 4x, 2.8-12mm MVF	33x, 4.5 ~ 148.5mm	4x, 2.8 ~ 12mm	22x, 6.5 ~ 143mm	25x, 6 ~ 150mm	Fixed 1.4mm Panoramic	Fixed 1.8mm Panoramic	
IMAGE SENSOR	1/2.8" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/3" Prog Scan CMOS	1/2.8" Prog Scan CMOS	1/1.8" Prog Scan CMOS x 4	1/2.9" Prog Scan CMOS	1/2.8" Prog Scan CMOS	1/2.8" Prog Scan CMOS	1/2.7" Prog Scan CMOS	1/1.8" Prog Scan CMOS	1/1.8" Prog Scan CMOS	1/2.8" Prog Scan CMOS	1/1.7" Prog Scan CMOS	
IR LED RANGE (MAX)	656ft (200M)	98ft (30M)	98ft (30M); 131ft (40M) 'AIX'	164ft (50M)	164ft (50M)	164ft (50M)	164ft (50M)	164ft (50M)	131ft (40M)	98ft (30M)	164ft (50M)	164ft (50M)	98ft (30M)	164ft (50M)	164ft (50M)	Dual White Light LED's; 98ft (30M)	164ft (50M)	492ft (150M)	164ft (50M)	656ft (200M)	656ft (200M)	33ft (10M)	65ft (20M)	
MIN. SCENE ILLUM. (LUX)	0.0005 (Col); 0 (BW, w/ IR)	0.2 (Col); 0 (BW, w/ IR)	0.01 (Col); 0.003 (Col) 'AIX'; 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	.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)	0.003 (Col); 0 (BW, w/ IR)	0.001 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	0.002 (Col); 0 (BW, w/ IR)	0.05 (Col); 0 (BW, w/ IR)	0.003 (Col); 0 (BW, w/ IR)	0.001 (Col); 0 (BW, w/ IR)	0.0005 (Color)	0.002 (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)	0.003 (Col); 0 (BW, w/ IR)	0.01 (Col); 0 (BW, w/ IR)	0.05 (Col); 0 (BW, w/ IR)	
WIDE DYNAMIC RANGE	120dB	Digital	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	Digital	120dB	120dB	120dB	120dB	120dB	Digital	120dB	Digital
DAY/NIGHT	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
VIDEO COMPRESSION	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	
MULTI-STREAMING	3	3	3	2	3	2	3	2	3	3	2	3	3	3	3	2	2	5	3	3	3	3	3	
ONBOARD STORAGE	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	-	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	-	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	Micro-SD Slot	
ALARM (I/O)	2 / 1	-	-	-	-	-	1 / 1	-	-	1 / 1	-	1 / 1	-	1 / 1	2 / 1	1 / 1	-	1 / 1	1 / 1	2 / 1	1 / 1	1 / 1	2 / 1	
AUDIO (I/O)	1 / 1	-	1 / 0; B/I Mic	1 / 0; B/I MIC	1 / 0; B/I Mic	1 / 0; B/I Mic	1 / 1	1 / 0; B/I Mic	1 / 0; B/I Mic	1 / 1	1 / 0; B/I Mic	1 / 1	-	1 / 1	1 / 1	1 / 1, w/ B/I SPKR & 2 x MIC	1 / 1, w/ B/I SPKR & 2 x MIC	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1; B/I Mic	1 / 1; B/I Mic & Spkr	
ADDITIONAL FEATURES	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	WiFi Video Transmission, ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics; Corridor ('AIX')	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	Panoramic 180° View, ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	White Light, ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	White Light, ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	1 / 1	ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD, EIS, Video Analytics	1 / 1 ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics	ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD	ONVIF, 3D-DNR, BLC, Defog, Privacy, VMD	
ACCESSORIES	See Camera Accessory Guide																							
USER INSTRUCTION MANUAL	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	
OPERATING TEMP RANGE	-40°C ~ +60°C (-40°F ~ 140°F)	-30°C ~ +50°C (-22°F ~ 122°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)	-35°C ~ 60°C (-31°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)	-40°C ~ +70°C (-40°F ~ 158°F)	-30°C ~ 60°C (-31°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-40°C ~ 70°C (-40°F ~ 158°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-40°C ~ 70°C (-40°F ~ 158°F)	-40°C ~ 65°C (-40°F ~ 149°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-35°C ~ 60°C (-31°F ~ 140°F)	
CONFORMITY CERT'S	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP67, CE, FCC	IP66, CE, FCC	IP66, CE, FCC	IP66, CE, FCC	IP66, CE, FCC	IP66, CE, FCC	IP66, CE, FCC	IP66, CE, FCC	
POWER	12VDC / 24VAC / PoE 21W Max	12VDC 4W Max	12VDC / PoE 6.4W Max; 4W Max ('AIX')	12VDC / PoE 6W Max	12VDC / PoE 6W Max	12VDC / PoE 8.5W Max	12VDC / PoE 9.5W Max	12VDC / PoE 6W Max	12VDC / PoE 5W Max	12VDC / PoE 9W Max	12VDC / PoE 8.5W Max	12VDC / PoE 8W Max	12VDC / PoE 5.5W Max	12VDC / PoE 10.5W Max	24VAC / 24VDC 40W Max	12VDC / PoE 4W	12VDC / PoE 16W	24VAC / 24VDC / PoE (Injector Req'd) 60W Max	12VDC / PoE 18W Max	24VAC / 24VDC / PoE (Injector Req'd) 60W Max	24VAC / 24VDC / PoE (Injector Req'd) 58W Max	12VDC / PoE 8.5W Max	12VDC / PoE 21W Max	

HYBRID NVR'S				NETWORK RECORDERS (NVR'S)												
MODEL NUMBER																
<b>DESCRIPTION</b>	4ch Analog + 2ch IP Hybrid	8ch Analog + 8ch IP Hybrid	16ch Analog + 8ch IP Hybrid	16ch Analog + 8ch IP Hybrid	4ch w/ 4 PoE, NDA A Compliant	8ch w/ 8 PoE, NDA A Compliant	16ch w/ 16 PoE, NDA A Compliant	16ch NDA A Compliant	32ch w/ 16 PoE, NDA A Compliant	32ch NDA A Compliant	32ch, NDA A Compliant	64ch NDA A Compliant	64ch NDA A Compliant	128ch NDA A Compliant	128ch NDA A Compliant	256ch NDA A Compliant
<b>MAX. RECORDING RESOLUTION</b>	AHD - 5MP; TVI & CVI - 2MP; CVBS - 750TVL; IP - 5MP	AHD, TVI, CVI - 8MP; CVBS - 750TVL; IP - 8MP	AHD, TVI, CVI - 8MP; CVBS - 750TVL; IP - 8MP	AHD, TVI, CVI - 2MP; CVBS - 750TVL; IP - 8MP	4K (8MP)	4K (8MP)	4K (8MP)	12MP	4K (8MP)	12MP	12MP	4K (8MP)	12MP	12MP	12MP	12MP
<b>VIDEO COMPRESSION</b>	H.264	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265	H.265
<b>BANDWIDTH - I/O</b>	40 / 40 Mbps	64 / 64 Mbps	72 / 80 Mbps	40 / 64 Mbps	64 / 48Mbps	80 / 64 Mbps	160 / 64 Mbps	384 / 384 Mbps	160 / 64 Mbps	384 / 384 Mbps	384 / 384 Mbps	320 / 320 Mbps	384 / 384 Mbps	512 / 384 Mbps	768 / 768Mbps	512 / 384 Mbps
<b>PLAYBACK VIDEO CAPABILITY (fps)</b>	Analog & IP Cameras: 2 x 1080p @30; IP Cameras Only: 5 x 1080p @30	1 x 8MP @ 30; 1 x 6MP @ 30; 1 x 5MP @ 30; 2 x 4MP @ 30; 2 x 3MP @ 30; 3 x 3MP @ 25; 4 x 1080p @ 30; 8 x 720P @ 30	2 x 8MP @30; 2 x 6MP @30; 3 x 6MP @30; 4 x 4MP @30; 4 x 3MP @30; 6 x 3MP @25; 8 x 1080p @30; 16 x 720P @ 30	1 x 8MP @ 30; 4 x 1080p @ 30; 8 x 720P @ 30; 16 x D1 @ 30	1 x 4K @ 30, 4 x 5MP @ 25, 4 x 4MP @ 25, 4 x 3MP @ 25, 4 x 1080p @ 30	2 x 4k @ 30, 3 x 5MP @ 30, 4 x 4MP @ 30, 5 x 3MP @ 30, 8 x 1080p @ 30	2 x 4K @ 30fps; 4 x 4MP @ 30fps; 5 x 3MP @ 30fps; 8 x 1080p @ 30fps; 16 x 720P @ 30f	2 x 12MP @ 30; 4 x 4K @ 30; 8 x 4MP @ 30; 9 x 4MP @ 25; 16 x 1080p @ 30	2 x 4K @ 30; 4 x 4MP @ 30; 5 x 3MP @ 30; 8 x 1080p @ 30; 16 x 720P @ 30; 32 x D1 @ 30	2 x 12MP @ 30; 4 x 4K @ 30; 8 x 4MP @ 30; 9 x 4MP @ 25; 16 x 1080p @ 30; 32 x 960p @ 25	2 x 12MP @ 30; 4 x 4K @ 30; 8 x 4MP @ 30; 9 x 4MP @ 25; 16 x 1080p @ 30; 32 x 960p @ 25	3 x 12MP @ 25, 4 x 4K @ 30, 8 x 4MP @ 30, 16 x 1080P @ 30, 32 x 960P @ 25, 36 x 720P @ 30, 64 x D1 @ 30	4 x 12MP@20, 4 x 4K@30, 16 x 1080P@30, 36 x 720P@30, 64 x D1@30	4 x 12MP@20, 4 x 4K@30, 16 x 1080P@30, 16 x 1080P@25, 40 x 960P@25, 45 x 720P@30, 54 x 720P@30, 64 x D1@30	5 x 4K@30, 20 x 1080P@30, 24 x 1080P@25, 40 x 960P@25, 45 x 720P@30, 54 x 720P@25, 96 x D1	5 x 4K@30, 20 x 1080P@30, 24 x 1080P@25, 40 x 960P@25, 45 x 720P@30, 54 x 720P@25, 96 x D1
<b>CONNECTIONS</b>																
<b>HDMI OUTPUT</b>	1 x 1080p - 720p	1 x 4K - 720p	1 x 4K - 720p	1 x 1080 - 720p	1 x 4K - 720p	1 x 4K - 720p	1 x 4K - 720p	2 x 4K - 720p	1 x 4K - 720p	2 x 4K - 720p	2 x 4K - 720p	2 x 4K - 720p	2 x 4K - 720p; (Add'l 4 or 6 optional)	2 x 4K - 720p; (Add'l 4 or 6 optional)	2 x 4K - 720p; (Add'l 4 or 6 optional)	2 x 4K - 720p; (Add'l 4 or 6 optional)
<b>VGA OUTPUT</b>	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p	1 x 1080 - 720p
<b>AUDIO IN / OUT</b>	RCA 4 / 1	RCA 4 / 1	RCA 1 / 1	RCA 1 / 1	RCA 4 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1
<b>USB</b>	Front panel: 1 x USB2.0 Rear panel: 1 x USB2.0	Front panel: 1 x USB2.0 Rear panel: 1 x USB3.0	Front panel: 1 x USB2.0 Rear panel: 1 x USB3.0	Rear panel: 2 x USB3.0	Rear panel: 2 x USB2.0	Rear panel: 2 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: 2 x USB2.0 Rear panel: 1 x USB3.0	Front panel: 2 x USB2.0 Rear panel: 1 x USB3.0	Front panel: 2 x USB2.0 Rear panel: 1 x USB3.0	Rear panel: 4 x USB3.0	Rear panel: 4 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>ALARM IN / OUT</b>	-	8 / 4	-	-	-	-	4 / 1	16 / 4	16 / 4	16 / 4	16 / 4	16 / 4	24 / 8	24 / 8	24 / 8	24 / 8
<b>ETHERNET</b>	1 - RJ45 Port, 10M/100M	1 - RJ45 Port, 10M/100M/1000M	1 - RJ45 Port, 10M/100M/1000M	1 - RJ45 Port, 10M/100M/1000M	1 - RJ45 Port, 10M/100M	1 - RJ45 Port, 10M/100M	1 - RJ45 Port, 10M/100M/1000M	2 - RJ45 Port, 10M/100M/1000M	1 - RJ45 Port, 10M/100M/1000M	2 - RJ45 Port, 10M/100M/1000M	2 - RJ45 Port, 10M/100M/1000M	2 - RJ45 Port, 10M/100M/1000M	4 - RJ45 Port 10M/100M/1000M (adaptive); 2 - RJ45 1000M SFP Ethernet	4 - RJ45 Port 10M/100M/1000M (adaptive); 2 - RJ45 1000M SFP Ethernet	4 - RJ45 Port, 10M/100M/1000M	4 - RJ45 Port 10M/100M/1000M (adaptive);
<b>PoE</b>	-	-	-	-	4 - 100Mbps RJ45 ports; IEEE 802.3af/at	8 - 100Mbps RJ45 ports; IEEE 802.3af/at	16 - 100Mbps RJ45 ports; IEEE 802.3af/at	-	16 - 100Mbps RJ45 ports; IEEE 802.3af/at	-	-	-	-	-	-	-
<b>ESATA</b>	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1
<b>SERIAL INTERFACE</b>	1 x RS485	1 x RS485	1 x RS485	1 x RS485	-	-	-	-	-	-	-	1 x RS232; 1 x RS485	1 x RS232; 1 x RS485	1 x RS232; 1 x RS485	1 x RS232; 1 x RS485	1 x RS232; 1 x RS485
<b>MINI-SAS PORTS</b>	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2
<b>OPERATION</b>																
<b>MAXIMUM PoE POWER</b>	-	-	-	-	30W / port; 54W total	30W / port; 108W total	30W / port; 240W total	-	30W / port; 200W total	-	-	-	-	-	-	-
<b>RACK MOUNT</b>	Yes; Optional Accessory	Yes; Optional Accessory	Yes; Optional Accessory	Yes; Optional Accessory	No	No	Yes; Optional Accessory	Yes; rack ears included	Yes; Ears Included	Yes; rack ears included	Yes; rack ears included	Yes; Ears Included	Yes; Shelf or Rails Req'd	Yes; Shelf or Rails Req'd	Yes; Shelf or Rails Req'd	Yes; Shelf or Rails Req'd
<b>HDD BAYS &amp; SIZES</b>	1 SATA, up to 10TB	2 SATA, up to 10TB each	2 SATA, up to 10TB each	1 SATA, up to 8TB each	1 SATA, up to 8TB each	1 SATA, up to 10TB	2 SATA, up to 10TB each	4 SATA, up to 10TB each; Raid 1, 5	4 SATA, up to 10TB each	4 SATA, up to 10TB each; Raid 1, 5	8 SATA, up to 10TB each; Raid 1, 5	8 SATA, up to 10TB each; Raid 0, 1, 5, 6, 10	16 SATA, (hot swappable) up to 10TB each; Raid 0, 1, 5, 6, 10, 50, 60	16 SATA, (hot swappable) up to 10TB each; Raid 0, 1, 5, 6, 10, 50, 60	24 SATA, (hot swappable) to 10TB each; Raid 0, 1, 5, 6, 10, 50, 60	24 SATA, (hot swappable) up to 10TB each; Raid 0, 1, 5, 6, 10, 50, 60
<b>USER INSTRUCTION MANUAL</b>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Manual Link</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>	<a href="#">Click Here for Manual</a>
<b>REMOTE USERS</b>	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	256
<b>PTZ CONTROL</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>QUICK SETUP GUIDE</b>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">QSG Link</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>	<a href="#">Click Here for QSG</a>
<b>ONVIF SUPPORT</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>ACCESSORIES</b>	4KTESTMON Video Test Monitor; NSW081P PoE Switch; RCKERS2 Rack Ears	4KTESTMON Video Test Monitor; XDLBB2 Lockbox; NSW081P & NSW162P PoE Switches; RCKERS1 Rack Ears	4KTESTMON Video Test Monitor; XDLBB2 Lockbox; NSW081P & NSW162P PoE Switches; RCKERS1 Rack Ears	4KTESTMON Video Test Monitor; NSW081P & NSW162P PoE Switch; RCKERS2 Rack Ears	4KTESTMON Video Test Monitor	4KTESTMON Video Test Monitor	4KTESTMON Video Test Monitor; LB3L Lockbox; NSW081P, NSW162P & NSW242P PoE Switches	4KTESTMON Video Test Monitor; LB3L Lockbox; NSW081P, NSW162P & NSW242P PoE Switches	4KTESTMON Video Test Monitor; LB3L Lockbox; NSW081P, NSW162P & NSW242P PoE Switches	4KTESTMON Video Test Monitor; LB3L Lockbox; NSW081P, NSW162P & NSW242P PoE Switches	4KTESTMON Video Test Monitor; LB3L Lockbox; NSW081P, NSW162P & NSW242P PoE Switches	4KTESTMON Video Test Monitor; LB3L Lockbox; NSW081P, NSW162P & NSW242P PoE Switches	4KTESTMON Video Test Monitor; PWR-300A-IN Redundant Power Supply; NASDE08 & DE1600 Disk Enclosures; NSW081P, NSW162P & NSW242P PoE Switches; FB-HDMI4-C-NB & FB-HDMI6-C-NB HDMI Decoder Cards	4KTESTMON Video Test Monitor; PWR-300A-IN Redundant Power Supply; NASDE08 & DE1600 Disk Enclosures; NSW081P, NSW162P & NSW242P PoE Switches; FB-HDMI4-C-NB & FB-HDMI6-C-NB HDMI Decoder Cards	4KTESTMON Video Test Monitor; PWR-DC12-550A-IN Redundant Power Supply; NASDE08 & DE1600 Disk Enclosures; NSW081P, NSW162P & NSW242P PoE Switches	4KTESTMON Video Test Monitor; PWR-DC12-550A-IN Redundant Power Supply; NASDE08 & DE1600 Disk Enclosures; NSW081P, NSW162P & NSW242P PoE Switches

NVR & DISPLAY ACCESSORIES								
MODEL NUMBER								
<b>DESCRIPTION</b>	Video Decoder	Multi-Function Video Test Monitor	Rack Ears	Lockbox	Mini-SAS Disk Enclosure	8, 16 & 24 Port PoE Network Switches	HDMI Output Decoder Cards	Redundant Power Supply
<b>FEATURES</b>	Displays on HDMI or VGA Monitors, up to 4K Resolution Decodes up to 12MP (4000 x 3000) Resolution Video Up to 16 cameras displayed simultaneously Supports H.265, H.264, MPEG4, MPEG2 2-way Audio Decoding	Support CVBS, TVI, CVI, AHD & IP 7" Retina Touch Screen HDMI I/O, up to 4K resolution Audio, Video, PoE and PING Support Battery Operated or 12VDC	Provide easy rack mounting Rigid Galvanized Iron No add'l Mount req'd Black Color For use w/ Hybrids and NR16XP2	Provide Security and Protection Removable top Lid for easy Access Keyed Lock , Front Door Rack Mounts Included Tough Electrolytic Galvanized Iron	8 or 16 HDD Bays Up to 10TB each HDD Mini-SAS Interface Rack Mountable but mounts are not included For use w/ NR6416, NR12816, NR12824 & NR25624 recorders	10/100Mbps Ethernet Ports 1 (8-port) & 2 x Gigabit combo ports IEEE802.3af, up to 30W for single port Rack Mounts Included For use w/ NVR's without built-in PoE Switch	4 & 6ch HDMI outputs for Video Walls Multi-Window display HDMI display output up to 4k Supports H.265 or H.264 For use w/ 16-bay and 24-bay HDD recorders	For NVR's w/ large quantities of HDD's Protection against short circuit, overload and overvoltage Front panel indicator lights Built-in Fan for heat dissipation For use with 16-bay and 24-bay HDD recorders

Sales Team Support		
National Sales Mgr	Paul Lange	603-303-7422
Northeast Region	Bill O'Day	973-647-2282
South Central Region	Todd Dunham	678-372-4365
Midwest / West Region	Jim Ball	847-757-7765
South West / West Region	Brian Crockett	512-574-0854