

4MP, Thermal/Optical, WDR, TURRET



Fixed Lens Turret

IPTHT426X

- > Fully Adheres to National Defense Authorization Act (NDAA) Guidelines
- > Illumination technology ensures ultra-high color image up to 0.003 Lux (F1.6)
- > 4MP (2688 x 1520) Optical Resolution and 960P (1280 x 960) Thermal Resolution
- > Super-Efficient H.265 Video Compression for Drastically Reduced Bandwidth and Storage Requirements
- > Smart IR LED Lights for Nighttime Operation up to 98.4 Feet, w/ Red & Blue Warning Lights
- > ONVIF Profile S Compliant
- > TRUE Day/Night and WDR functionality for all Lighting Conditions
- > Triple Streams, Digital Defog, Built in Mic and Speaker, Smart IR and 3D DNR
- > Intelligent, smart intrusion prevention technology for significantly reduced false alarms when focusing on humans and motor vehicles
- > PoE & 12VDC Power Options and Optional Mounts Available
- > Built-in Micro-SD Card Slot enables local storage up to 512GB
- > 3-Way Axis, IP67 Weather Resistant
- > Supported by Uniview tec Guard Station Software as well as Guard Live and Guard Viewer Mobile App's for iPhone and Android Devices

www.univiewtechnology.com

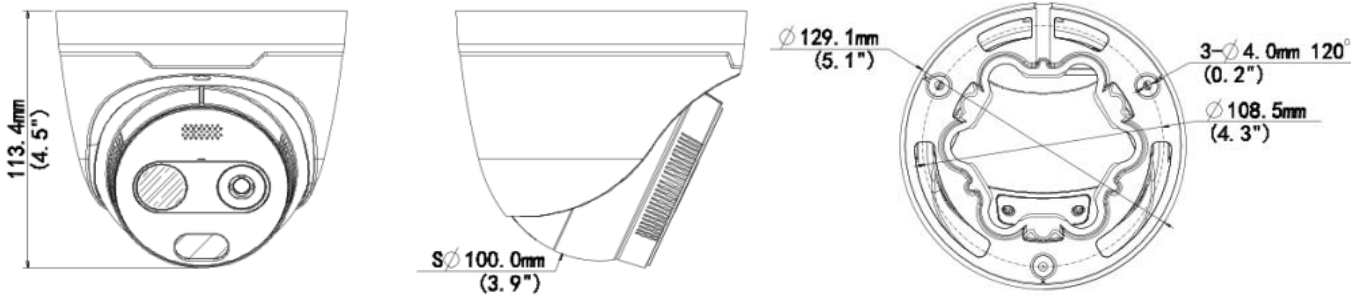
Specifications

Camera	Description	
Max Resolution	4MP	
Sensor	1/2.8" CMOS	
Min. Illumination	Color: 0.01 lux (F1.6, AGC ON); B/W: 0.005 lux(F2.0, AGC ON); 0 Lux with IR on	
Day/Night	IR-cut filter with auto switch (ICR)	
Shutter	Auto/Manual, 1 ~ 1/100000s	
Adjustment Angle	Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotate: 0° ~ 360°	
NETD	< 50 mk @ F1.0 @ 25 °C	
S/N	>56dB	
WDR	120dB	
Lens	Optical	Thermal
Focal Length	2.6 mm	2.1 mm
Iris Type	Fixed	Fixed
Iris	F1.6	F1.0
Field of View (H)	129.4°	90.0°
Field of View (V)	69.9°	65.6°
Field of View (D)	168.2°	117.0°
DORI	Description	
DORI Distance(Detect)	58.5m(191.9ft)	N/A
DORI Distance(Observe)	23.4m(76.8ft)	N/A
DORI Distance(Recognize)	11.7m(38.4ft)	N/A
DORI Distance(Identify)	5.9m(19.2ft)	N/A
Illuminator	Description	
Supplemental Light	IR	
Illumination Distance(IR)	30 m (98.4 ft)	
Wavelength	750 nm	
IR On/Off Control	Auto/Manual	
Video	Description	
Video Compression	H.265; H.264; MJPEG	
H.264 Code Profile	Baseline profile, Main profile, High profile	
Frame Rate	4MP (2688 x 1520) @30fps	960P (1280 x 960) @30fps
Video Bit Rate	128 Kbps ~ 16 Mbps	
U-code	Support	
OSD, ROI, Privacy Mask	Up to 8 OSDs	
Video Stream	Triple Streams	
Image	Description	
White Balance	Auto; Outdoor; Fine Tune; Sodium Lamp; Locked; Auto2	
Digital Noise Reduction	2D/3D DNR	

Smart IR	Support
Flip	Normal; Flip Vertical; Flip Horizontal; 180°; 90°Clockwise; 90°Anti-clockwise
De-warping	N/A
Defog	Digital Defog
Palette-Thermal	White hot; lava; iron oxide red; hot iron; medical; arctic; rainbow 1; rainbow 2; rainbow 3; depict hot; ice hot; black hot; mazarine; fusion; red hot; green hot; color 1; color 2; rain; puce
Events	Description
Basic Detection	<u>Optical & Thermal</u> : Cross Line; Intrusion, Enter Area, Leave Area; <u>Optical</u> : Smoke, Motion Detection; Tampering Alarm; Audio Detection; <u>Thermal</u> : Fire Detection
General Function	Watermark; IP Address Filtering; Access Policy; ARP Protection; RTSP Authentication; User Authentication; HTTP Authentication, Alarm input; Alarm output
Temperature Accuracy/Range	$\pm 8^{\circ} \text{C}$ ($\pm 14.4^{\circ} \text{F}$) or $\pm 8\%$ (whichever is greater); Selectable Range between $-20^{\circ} \text{C} \sim 150^{\circ} \text{C}$ ($-4^{\circ} \text{F} \sim 302^{\circ} \text{F}$) and $100^{\circ} \text{C} \sim 550^{\circ} \text{C}$ ($212^{\circ} \text{F} \sim 1022^{\circ} \text{F}$)
Audio	Description
Audio Compression	G.711U; G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	16KHZ
Storage	Description
Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR
Network	Description
Protocols	IGMP; RTP; SMTP; IPv4; IPv6; ICMP; ARP; TCP; UDP; DHCP; PPPoE; RTSP; RTCP; RTMP; DNS; DDNS; NTP; FTP; UPnP; HTTP; HTTPS; 802.1x; SNMP; QoS; SSL/TLS; SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T); API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Security	Password Protection; Strong Password; HTTPS Encryption; Export Operation Logs; Basic and Digest Authentication for RTSP; Digest Authentication for HTTP; TLS 1.2; WSSE and Digest Authentication for ONVIF
Client	Guard Live, Guard Viewer, Guard Station
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above
Interface	Description
Audio I/O	1 Input: $1\text{k}\Omega$; 2.5V [p-p] / 1 Output: 600Ω ; 2V [p-p]
Alarm I/O	2/2
Serial Port	RS485 interace
Built-in Mic	Support
Built-in Speaker	Support

WIFI	N/A
Network	1 x RJ45 10M/100M Base-TX Ethernet
Video Output	Supported, Thermal Module: BNC
Certification	Description
EMC	CE-EMC (EN 55032: 2015+A1:2020,EN 61000-3-3: 2013+A1: 2019,EN IEC 61000-3-2: 2019+A1: 2021,EN 50130-4:2011+A1:2014) FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN IEC 62368-1:2020+A11:2020) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013) IK10 (IEC 62262:2002)
General	Description
Power	DC 12V±25%, PoE (IEEE 802.3af); Power consumption: Max 12W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions	Ø 129×114mm (Ø 5.08"×4.49")
Weight	0.72kg (1.6lb)
Environment	-40 °C ~ 70 °C (-40 °F ~ 158 °F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV

Dimensions



Accessories

See Camera Accessories Guide