4K, WDR, COLORHUNTER, INTELLIGENT TURRET

4K Fixed Lens Turret

IPT4K28TAIX

> Fully Adheres to National Defense Authorization Act (NDAA) Guidelines

> Exceptional Video Quality with 4K (8MP), 3840 x 2160 Resolution

> Super-Efficient H.265 Video Compression for Drastically Reduced Bandwidth and Storage Requirements

> Powerful, Smart IR LED Lights for 0 Lux Night Time Operation up to 98 Feet

> 2.8 fixed, wide-angle lens and Two-way Audio with Built-in Microphone & Speaker

> TRUE Day/Night and WDR functionality for all Lighting Conditions

> Backlight Compensation, Corridor Mode, Defog and 3D DNR (Digital Noise Reduction), Triple Video Streams, ONVIF Profile S Compliant

> Supports sound and light alarm linkage with Smart Intrusion Prevention, such as Cross Line, Intrusion, Enter / Leave Area Detection, and others

> IP67 Weather Resistant Housing and PoE & 12VDC Power Options

> 3-Way Axis and Optional Wall, Junction Box and Pole Mounts Available

> Built-in Micro-SD Card Slot enables local storage up to 256GB

> Supported by uniview tec Guard Station Software and Guard Viewer Mobile App's for iPhone and Android Device
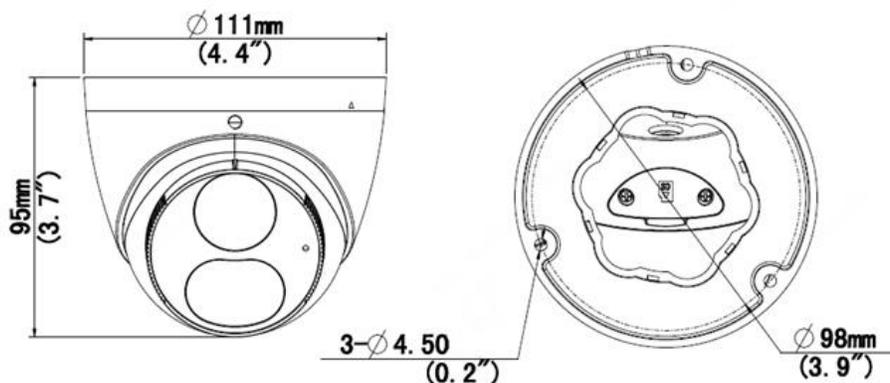
Specifications

Camera	
Sensor	1/2.8" 8MP, progressive scan CMOS
Minimum illumination	Color: 0.0025 lux (F1.6, AGC ON); 0 lux with IR on
True Day / Night	IR-cut filter with auto switch (ICR)
Shutter	Auto / Manual, 1 ~ 1/100000s
Adjustment angle	Pan: 0° ~ 360°; Tilt: 0° ~ 80°; Rotate: 0° ~ 360°
WDR	120dB
S/N	>56dB

Lens	
Lens	2.8mm@F1.6
Iris	Fixed
Field of View (H)	106.7°
Field of View (V)	57.1°
Field of View (D)	115.7°

DORI				
DORI Distance	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	86.9	34.8	17.4	8.7

Illuminator	
IR Range	Up to 30m (98ft) IR range
Wavelength	850nm
White Light Range	Up to 30m (98ft) IR range
IR On/Off Control	Auto/Manual

Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG
H.264 code profile	Baseline profile, Main profile, High profile
Frame Rate	Main Stream: 8MP (3840 x 2160), Max 20fps; 5MP (3072 x 1728), Max 30fps; 4MP (2560 x 1440), Max 30fps; 1080P (1920 x 1080), Max 30fps; Sub Stream: 1080P (1920 x 1080), Max 30fps;720P (1280 x 720), Max 30fps; 640 x 360, Max 30fps; D1 (720 x 576), Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps; Third Stream: D1 (720 x 576), Max 30fps; 640 x 360,Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps;
Video Bit Rate	128 Kbps~16 Mbps
U-code	Support
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Triple streams

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Image

White Balance	Auto / Outdoor / Fine Tune / Sodium Lamp / Locked / Auto2
Digital Noise Reduction	2D / 3D DNR
Smart IR	Support
Flip	Normal / Vertical / Horizontal / 180° / 90°Clockwise / 90°Anti-clockwise
Dewarping	Support
HLC	Support
BLC	Support
Defog	Digital Defog

Intelligence

Smart intrusion prevention	Support false alarm filtering: Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection
Recognition	Face capture
Statistical Analysis	People counting, support people flow counting and crowd density monitoring

Events

Basic Detection	Motion detection, Ultra motion detection, Tampering alarm, Audio detection
General Function	Watermark, IP address filtering, tampering alarm, access policy, ARP protection, RTSP authentication, user authentication

Audio

Audio Compression	G.711
Audio Bitrate	64 Kbps
Two-way audio	Support
Built-in Alarm Audio	Support
Suppression	Support
Sampling Rate	8KHZ

Storage

Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS(NFS)

Network

Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP,SSL / TLS, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API,SDK
User/Host	Up to 32 users. 2 user levels: administrator and common user
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 Station, Guard Viewer
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above; Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above

Interface

Audio I/O	N/A
Alarm I/O	N/A
Built-in Mic	Support

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Built-in Speaker	Support
Network	1 * RJ45 10M/100M Base-TX Ethernet
General	
Power	DC 12V±25%, PoE (IEEE 802.3af); Power consumption: Max 8.0W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø × H)	Φ111 x 95mm (Φ4.4" x 3.7")
Weight	0.45kg (0.992lb)
Material	Metal + Plastic
Working Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	4KV
Conformity Certifications	IP67, CE, FCC

Dimensions

Accessories

See Camera Accessories Guide

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