TDODIS2202-D

2x2MP IR Mini Dome Network Camera



System Overview

The multi-sensor camera provides added flexibility for capturing wide area video surveillance. With two 2MP adjustable lenses can provide a flexible choice of the angle, the camera can replace multiple single-sensor cameras providing a higher return on investment. The multi-sensor camera features contrast, backlight compensation, white balance, and resolution control to create a crystal-clear image even in the most challenging lighting conditions.

Functions

Starlight Technology

Featuring TOUGHDOG's Starlight Technology, this camera is ideal for applications with challenging lighting conditions. Its low-light performance delivers usable video with minimal ambient light. Even in extreme low-light conditions, Starlight Technology is capable of delivering color images in near complete darkness (less than 0.01 lux).

Wide Dynamic Range

Embeded with industry leading wide dynamic range (WDR) technology, vivid picutures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, True WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, ideal for business intelligence, and Facial Detection, for searching or identification of individuals.

Environmental

With a temperature range of-30 °C to +60 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments. The camera

- Two 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- · H.265&H.264 dual-stream encoding
- · 25/30fps@2M(1920×1080)
- · Smart Detection supported
- · WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS)
 DMSS
- · 2.8mm fixed lens
- · Max. IR LEDs Length 20m
- · Micro SD memory, IP67, IK10, PoE















complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications. For enviorments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

Protection

Supporting ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 4KV lightning rating provides protectection against the camera and its structure from the effects of lightning.

HEVC (H.265)

H.265 ITU-T VCEG is a new video coding standard. H.265 Following standard developed around the existing video coding standard H.264 , some retain the original technology , while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream , encoding quality , and the delay between algorithm complexity , optimize settings specific contents include : Improve compression efficiency , improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay , reduce complexity , etc



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Technical Specification						Noise Reduction	3D DNR
·					Motion Detection	Off / On (4 Zone, Rectangle)	
Camera						Region of Interest	Off / On (4 Zone)
Image Sensor		Two 1/2.8" 2Megapixel progressive scan CMOS				Electronic Image Stabilization	N/A
Effective Pixels		1920(H)x1080(V)				(EIS)	
RAM/ROM		512MB/256MB				Smart IR	Support
Scanning System		Progressive				Defog Digital Zoom	N/A 16x
Electronic Shutter Speed		Auto/Manual, 1/3(4)~1/100000s				Flip	0°/90°/180°/270°
Minimum Illumination		0.009Lux/F2.0(Color,1/3s,30IRE) 0.07Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)				Mirror	Off / On
						Privacy Masking	Off / On (4 Area, Rectangle)
S/N Ratio		More than 50dB				Audio	
IR Distance		Distance up to 20m (66ft)				Compression	G.711a/ G.711Mu/ AAC/ G.726
IR On/Off Control		Auto/ Manual				·	G.711a/ G.711iviu/ AAC/ G.720
IR LEDs		10 x 2				Network	
Lens						Ethernet	-M Model: RJ-45 (10/100Base-T) -M12 Model: M12 D-Coding (10/100Base-T)
Lens Type		Fixed					HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP; FTP;DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP; NTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP;S NMP;TLS
Mount Type		Board-in				Protocol	
Focal Length		2.8mm				Interoperability	ONVIF Profile S&G, API
Max. Aperture		F2.0 (F2.1) H: 110° (86°) \(\frac{1}{2}\)(66°)				Chunamina Mathad	Liniana / NALIbiana
Angle of View		H: 110° (86°), V:60° (46°) N/A				Streaming Method	Unicast / Multicast
Optical Zoom						Max. User Access	10 Users /20 Users
Focus Control		Fixed				-1 0	NAS
Close Focus Dis	Lens	N/A Detect Observe Recognize Identify				Edge Storage	Local PC for instant recording Mirco SD card 128GB
DORI Distance	2.8 mm	41m(134ft)		8m(26ft)	4m(13ft)	Web Viewer	IE, Chrome, Firefox, Safari
Pan/Tilt/Ro	tation					Management Software	Smart PSS, DSS, DMSS
Pan/Tilt/Rotation Range		Pan:±90°; Ti	lt:0°~65°; Rot	ation:0°~360°		Smart Phone	IOS, Android
Intelligence						Certifications	
Event Trigger		Motion detection, Video tampering, Scene changing, Network disconnection, Ip address conflict, Illegal access, Storage anomaly				Certifications	CE (EN 60950:2000) UI:UL60950-1 FCC: FCC Part 15 Subpart B E-mark(ECE-Regulation No.10) EN50155(Environment)
IVS		Tripwire, Intrusion, Object Abandoned/Missing					
Advanced Intelligent Functions						Interface	
Video						Video Interface	N/A
						Audio Interface	Built-in Mic
Compression		H.265/H.264H/MJPEG(Sub Stream)					
Smart Codec		N/A 2 Streams				RS485 Alarm	N/A N/A
Streaming Capability						Electrical	N/A
Resolution		1080P(1920x1080)/1.3M(1280x960)/ 720P(1280×720)/D1(704×576/704×480)/ VGA(640×480)/CIF(352×288/352×240)					-M Model: DC12V, PoE (802.3af)(Class 0)
Frame Rate		Main Stream: CH1: 1080P (1~25/30fps)				Power Supply	-M12 Model: PoE (802.3af)(Class 0)
		CH2: 1080P (1~25/30fps) Sub Stream:				Power Consumption	DC 12V: 4.32W 6.02W(IR on) PoE: 4.32W 6.02W(IR on)
		CH1: D1(1~25/30fps) CH2: D1(1~25/30fps)				Environmental	
Bit Rate Control		CBR/VBR				Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Bit Rate		H.264: 32~10240Kbps H.265: 12~7168Kbps				Stroage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Day/Night		Auto(ICR) / Color / B/W				Ingress Protection	IP67
BLC Mode		BLC/HLC/WDR (120dB)				Vandal Resistance	IK10
White Balance		Auto/Natural/Street Lamp/Outdoor/Manual			anual	variati nesistante	20
Gain Control		Auto/Manual					

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Construction

Casing	Metal
Dimensions	Ф122mm×65.4mm (4.79"×2.57")
Net Weight	0.505kg (1.11lb)
Gross Weight	0.53kg (1.17lb)

Accessories

Optional:







PFA137

PFB203W

PFA152-E

Junction Mount	Wall Mount		
PFA137	PFA137	PFB203W	
Pole Mount			



Dimensions (mm/inch)

