

LTDHIP3683W-ISZ

8MP WDR IR Eyeball Network Camera



System Overview

Eco-savvy products by upgrading H.265 encoding technology, bringing high efficient video compression. It saves bandwidth and storage, energy-saving design to enhance the monitoring system. Meanwhile, the series offers features such as starlight, Smart IR technology, intelligent image analysis techniques. It provides excellent image quality and intelligent and efficient event reminders. This series provides IP67 weatherproof and IK10 vandal-proof protection feature. Give customers more value

Functions

ePoE technology

The ePoE technology of LTS, designed internally, adopts advanced 2D-PAM3 coding modulation from physical layer, and realizes full duplex transmission over 800 meters at the speed of 10Mbps, or 300 meters at the speed of 100Mbps via Cat 5 or coaxial cable media. Besides, it supports PoE and PoC power supply technology which has greatly simplified construction and wiring. LTS ePoE technology offer a new way to accomplish long distance transmission between IP camera and network switch. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.

4K technology

4K technology as a revolutionary breakthrough in image, which enhance the expressive image of essence, allowing users to experience the best picture quality brought about by the visual feast. For the purposes of 4K surveillance with four times the 1080P resolution, presented to the user with more details. Under the same scenario by raising the pixels, reduce the camera cost.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures 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.

- 1/2.5" 8Megapixel progressive scan STARVIS™ CMOS
- H.265&H.264 dual-stream encoding
- 15fps@4K(3840×2160),25/30fps@3M(2304×1296)
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.7mm ~12mm motorized lens
- Built-in Mic
- Max. IR LEDs Length 50m
- Micro SD card memory, IP67, PoE



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.

Protection(IP67, wide voltage)

Supporting ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 4KV lightning rating provides effective protection for both the camera and its structure against lightning. IP67 is supported by the camera, which makes it suitable for both indoor and outdoor environments.

Smart H.265+

Deliver high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

Technical Specification						Bit Rate		H.264: 24K ~ 10240Kbps H.265: 14K ~ 9984Kbps	
Camera						Day/Night		Auto(ICR) / Color / B/W	
Image Sensor		1/2.5" 8Megapixel progressive scan CMOS				BLC Mode		BLC / HLC / WDR	
Effective Pixels		3840(H)x2160(V)				White Balance		Auto/Natural/Street Lamp/Outdoor/Manual	
RAM/ROM		512MB/32MB				Gain Control		Auto/Manual	
Scanning System		Progressive				Noise Reduction		3D DNR	
Electronic Shutter Speed		Auto/Manual, 1/3~1/100000s				Motion Detetion		Off / On (4 Zone, Rectangle)	
Minimum Illumination		0.05Lux/F1.4 (Color,1/3s,30IRE) 0.2Lux/F1.4 (Color,1/30s,30IRE) 0Lux/F1.4(IR on)				Region of Interest		Off / On (4 Zone)	
S/N Ratio		More than 50dB				Electronic Image Stabilization (EIS)		N/A	
IR Distance		Distance up to 50m (164ft)				Smart IR		Support	
IR On/Off Control		Auto/ Manual				Defog		N/A	
IR LEDs		2				Digital Zoom		16x	
Lens						Flip		0°/90°/180°/270°	
Lens Type		Motorized/ Auto Iris(DC)				Mirror		Off / On	
Mount Type		Board-in				Privacy Masking		Off / On (4 Area, Rectangle)	
Focal Length		2.7mm~12mm				Audio			
Max. Aperture		F1.4				Compression		G.711a/ G.711Mu/ AAC/ G.726	
Angle of View		H:110°~40° , V:58°~23°				Network			
Optical Zoom		4x				Ethernet		RJ-45 (10/100Base-T)	
Focus Control		Motorized				Protocol		HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP	
Close Focus Distance		0.3m				Interoperability		ONVIF, PSIA, CGI	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Streaming Method		Unicast / Multicast	
	W	85m(280ft)	34m(112ft)	17m(56ft)	8.5m(28ft)	Max. User Access		10 Users /20 Users	
	T	228m(748ft)	91m(299ft)	46m(151ft)	23m(75ft)	Edge Storage		NAS Local PC for instant recording Mirco SD card 128GB	
Pan/Tilt/Rotation						Web Viewer		IE, Chrome, Firefox, Safari	
Pan/Tilt/Rotation Range		Pan:0°~360°; Tilt:0°~78°; Rotation:0°~360°				Management Software		Smart PSS, DSS, Easy4ip	
Intelligence						Smart Phone		IOS, Android	
IVS		Tripwire, Intrusion, Object Abandoned/Missing				Certifications			
Advanced Intelligent Functions		Face Detection				Certifications		CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B	
Video						Interface			
Compression		H.265+/H.265/H.264+/H.264				Video Interface		N/A	
Streaming Capability		3 Streams				Audio Interface		Built-in Mic	
Resolution		4K(3840×2160)/ 6M(3072×2048)/5M(3072x1728)/ 5M(2592×1944)/ 4M(2688×1520)/ 3M(2048x1536)/ 3M(2304×1296)/ 1080P(1920×1080)/1.3M(128 0x960)/ 720P(1280×720)/ D1(704×576/704×480)/ VGA(640×480)/ CIF(352×288/352×240)				RS485		N/A	
Frame Rate		Main Stream: 4K(1~15fps)/3M(1~25/30fps) Sub Stream: D1(1~25/30fps) Third Stream: 720P(1~25/30fps)				Alarm		N/A	
Bit Rate Control		CBR/VBR				Electrical			
						Power Supply		DC12V, PoE(802.3af)(Class 0)	
						Power Consumption		<8.5W	

Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A

Construction

Casing	Metal
Dimensions	Φ122mm×104mm(4.8"×4.09")
Net Weight	0.6Kg (1.32lb)
Gross Weight	0.76Kg (1.67lb)

Ordering Information

Type	Part Number	Description
8MP camera	LTDHIP3683W-ISZ	8MP IR Eyeball Network Camera, WDR, NTSC
Accessories	N/A	Junction Box Included

Accessories

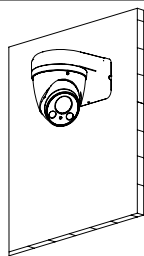
Optional:



PFB203W
Wall Mount

Wall Mount

PFB203W



Dimensions (mm/inch)

