x36 HD IP PTZ with THERMAL CAMERA

NEW **PHTI-H3603TW**

1080p Full HD | **Onvif** | Ultra-low Light

Features

New Concept of Two Sensor Camera System

The Twin-One PTZ camera system is capable of synthesizing two camera image separately into one image and it can transfer standard-resolution full-HD images synthesized on one channel. Among the screen configurations below, the main screen is the image of the long focal length zoom camera, and the small screen is the thermal camera image.

Thermal camera Image

Long focal length zoom camera Image

Using Ultra-Low Light sensor

With 2M 1/1.9"CMOS image sensor, you can check High image quality and clear color images in dim light environment. It also has the ability to powerful low noise effect and outstanding noise reduction.

Powerful zoom capability

36x optical zoom, 12x digital zoom, excellent automatic focusing, and 5.8 ~ 210.0 mm focus range. Especially, since the aperture is F1.5~F4.8, it is possible to acquire better quality image than any other camera.

Thermal Camera

Use a thermal camera to get clear images even at night.

Specifications

Camera

Image Device	1/1.9" Progressive Scan CMOS
Effective Pixels	Approx. 2.38 Mega pixels
Aspect Ratio	HD: 16:9 SD: 4:3
Zoom Ratio	Optical x36, Digital x12
Focal Length	f = 5.8 ~ 210mm, F1.5 ~ F4.8
Horizontal angle	60.0°(W) ~ 3.70°(T)
MIN. Illumination	COLOR : 0.005 Lux@F1.5 B/W : 0.0005 Lux@F1.5, 0 Lux (IR)
Day & Night	Auto(CDS/CAM) / Day / Night(ICR)
Focus	Auto/Semi Auto/Manual
DNR(2D/3D)	OFF/Level Adjustment(1~5)
Shutter Speed	1 sec ~ 1/10,000sec(60/30 mode) 1 sec ~ 1/10,000sec(50/25 mode)
AGC	Auto/Manual
White Balance	Auto/Indoor/Outdoor/Manual
WDR/BLC	OFF/BLC/WDR(Digital)
Other Function	Defog(Digital), HLC, Dynamic slow shutter

Thermal Camera

Detector type	Uncooled VOx Microbolometer
Format	640 x 512 17μm
Frame Rate	60Hz
NETD	≤60mK@25°C,f#1.0

Pan/Tilt

Range	Pan : 360° (Endless) Tilt : -7° ~ 90° (Auto-Flip)
Speed	Preset: 240°/sec Manual: 0.05° ~ 180°/sec Scan: 1.4 °~150 °/sec
Preset	255 Presets with Labels
Group	8 groups(Max. 16 presets)
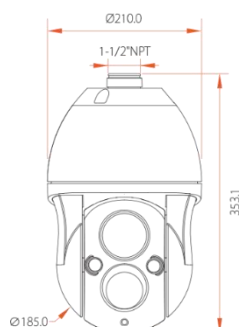
General

Sensor In /Out	Built-in 4 Input / 2 Output(Relay)
Audio In / Out	1 Audio In / 1 Audio Out
Video Out	SMPTE-292M(HD-SDI), BNC: VBS 1.0 Vp-p
IR distance	More than 70M
Power	Dual: AC24V / DC12V 36W, Heater on(66W)
Approvals	KC, IP66
Housing	Weather proof/Vandal Proof Structure
Material	Body : Aluminum Die-casting
Dimension	Net: Ø210 x 353.1(H) mm
Weight	6.08 Kg(approx.)
Operating Temp.	-30°C ~ 50°C

IP Encoder

Ethernet		10Base-T/100Base-Tx
Video Compression		H.265/H.264/MJPEG
Video Stream	**Main**	1080p/720p
	Second	D1/CIF/QCIF
	Third	1080p/720p/D1/CIF/QCIF
Stream Type		Video/Complex(Video/Audio) Stream
Frame Rate		Max. 30/25 fps for 1080P/720P/D1/CIF/QCIF
Bitrate		30Kbps ~ 16Mbps. Supports CBR/VBR/FIX QP
Audio Compression		Two way, G.711 A-law, G.711 μ-law, 128kbps, sampling rate 8kHz
Local Storage		Micro SD/SDHC/SDXC card. Support up to 128GB
IVA		Motion Detection, Occlusion Detection, Line Crossing*, Region entrance/exiting*, Intrusion*, Tampering*, etc
Alarm actions		Email, Micro SD/SDCH/SDXC Record, Relay Output, Snapshot, Notification of Client
Alarm		Pre-Post Alarm
Max No. of Clients		10 users(Depending on user bandwidth)
Web Brower		IE 6.0 above
Protocols Support	**IPv4**	IPv4/IPv6*, TCP/IP, UDP, RTP, RTSP, RTMP, NTP, HTTP, HTTPS*, SSL*, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMP*
	DDNS	Pubblic DDNS services Suport: www.dyndns.com
	ONVIF	PROFILE S
	Security	User Authentication(ID/PW), IP Address/Mac Address filtering*

The specifications are subject to change without prior notice. (*) This feature is under development and will be added in the future.

Dimension

Unit: mm

Ø210.0
1-1/2"NPT
353.1
Ø185.0