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TPU230IRV2

TrafficPTZ Ultimo with IR, v2

DESCRIPTION

The TrafficPTZ Ultimo (TPU) is a high-precision, full-featured network PTZ camera providing high-quality, high-definition images. The integrated 30x optical zoom in combination with the dual LED illuminators and its embedded image stabilization makes the camera ideal for traffic applications.

FEATURES

1/2 Sony CMOS sensor

30x Optical zoom, true day & night

Dual LED Illumination

Full HD 1080p resolution (2.1M)

Multiple H.264/MJPEG streaming

Day/Night with IR-cut filter

Variable pan and tilt speed, proportional zoom

Continuous rotation, tilt from -90 $^{\circ}$ to +40 $^{\circ}$

Wind load up to 200 km/h

Preset accuracy of 0.02°

ONVIF Profile S



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Description

Construction

The robust construction using cast aluminium and durable plastics ensures accurate positioning and stable video, close by and at large distances. The TPU230IRv2 is designed to operate under extreme temperatures and all lighting conditions for mission critical applications.

Multistream high definition

The TPU230v2 has multiple stream capability for simultaneous streaming of one or more H.264 or MJPEG streams. Two independent H.264/MJPEG encoders can generate full-HD 1080p video streams at full frame rate. Multiple combinations of resolution and frame rate can be configured to satisfy different live viewing and recording scenarios.

Open standards

Its compliance to open standards ensure that the TPU230IRv2 is compatible with the most common VMS's out of the box. If you need to incorporate the camera's special features in your dedicated client software, the Programming Interface offers an easy HTTP API for guaranteed interoperability. This makes the camera an outstanding candidate for projects which require customization.

Image enhancement

The TPU230IRv2 provides automatic IR-illumination functionality, for use in no-light situations. Backlight compensation enhances image visibility in difficult lighting situations. This ensures quality pictures at all times. An ultra wide dynamic range, using dual-exposure techniques ensures a even exposure in both the highlights and shadows in the image.

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Camera		
Image sensor	1/2 Sony CMOS sensor	
Video standards	25 fps or 30 fps	
Output resolutions	1920x1080; 1280x720; 1024x768; 800x600; 720x512; 640x480; 352x240	
Effective pixels	1937 (H) x 1,097 (V), 2.12 MP	
Shutter speed	1/30 ~ 1/30000s, digital slow shutter (DSS) Off/2x/4x	
Signal-to-noise ratio	>50 dB (AGC off)	
Minimum scene illumination	Color (1/30s) 0.15 lux, BW (1/30s) 0.01 lux	
	Color DSS (1/7.5s) 0.0375 lux, BW DSS (1/7.5s) 0.002 lux	
LED Illumination	Tele Wide	
- illumination angle	1x 10° 1x 60°	
- Distance	240 m 80 m	
- Wavelength	850 nm 850 nm	
Horizontal field of view	61.2 to 2.32 degrees	
Focal length	6mm (F1.5) to 180mm (F4.3)	
Image control		
WDR/BLC	Off / WDR / BLC	
WDR	130 dB (multi-exposure WDR)	
High Light compensation	Off / On / Night Only	
White balance	Auto / One Push / Manual / Indoor / Outdoor	
Digital image stabilization	Off, On	
Gain Control (AGC)	Off / On	
Iris control	0 to 20 steps	
Exposure	Auto, Iris Priority, Shutter Priority, Manual	
Brightness	0 ~ 20 steps	
Sharpness	0 ~ 10 steps	
AF mode	Auto / One Push / Manual	
DNR	Auto / Off / Low / Middle / High	
ACE	Off / Low / Middle / High	
Defog	Off / On (Auto / Manual)	
Day/Night (IR-cut filter)	Auto / Day / Night / Ext-in	
Privacy Masks	Dynamic, up to 24	
Optical zoom	30x (32x digital)	
Video		
Compression	H.264, MJPEG	
Aspect ratio	Selectable 16:9 or 4:3. Cropped, no scaling.	
Number of video streams	2	
Network		
Interface(s)	100 Mbps FE Ethernet (RJ-45)	
Protocols	IPv4, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE	=
1.00000	UPnP, IGMPv1/2/3, SNMPv1/2/3, QoS, ONVIF Profile S, IEEE802.1X, NTCIP12	

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Specs

Network Storage	
Storage	
Storage options Micro SDHC card, 32 GB, NAS	
Local recording Continuous, scheduled, alarm	
Zoran recording Continuous, seriedulea, diarri	
Powering	
Power consumption 160W with IR+heater; 100W with heater, 50W without heater	
Power 230 Vac	
Environmental	
Operating temperature -40 °C to +65 °C	
Relative humidity 5% to 100%	
Wind load up to 160 km/h operational, 200 km/h stationary	
MTBF (Mean Time Between Failures) >100,000 hours at 40 °C	
Test specification	
EMC Emission EN 61000-6-3 (2007) + A1 (2011)	
EN 61000-3-2 (2014)	
EN 61000-3-3 (2013)	
FCC 47 CFR 15	
EMC Immunity EN 61000-6-2 (2005) + AC (2005)	
EN 50130-4 (2011)	
LVD Safety	
Mechanical	
Housing materials Aluminum and ABS, stainless steel fasteners	
Coating Epoxy polyester powder painting, RAL9002 color	
Mounting Top mount (OTT)	
Transmission Toothed belt driven	
Backlash PTZ 0°	
Cable glands 2x M20 + 1x M16	
Horizontal rotation (panning) Endless 360 degrees (uses slip ring)	
Vertical rotation (tilting) -90° (vertical down) to +40° (upwards, above horizon)	
Horizontal speed (variable) From 0.02°/s up to 100°/s	
Tilting speed (variable) From 0.02°/s up to 50°/s	
Speed-by-Zoom Yes, proportional for Optical zoom as well as Digital zoom	
Preset accuracy 0.02°	
Dimensions (h x w x d) See drawings for dimensions	
Weight 25 kg	
Ordering information	
TPU230IRv2 TrafficPTZ Full HD PTZ IP camera system, 230Vac, IR	
TPTM01 Top Mount (Parapet) bracket for TrafficPTZ camera	

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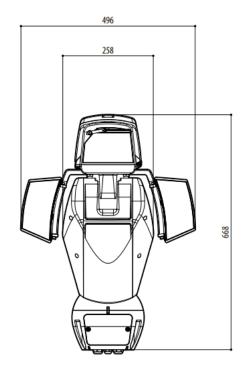
Specs

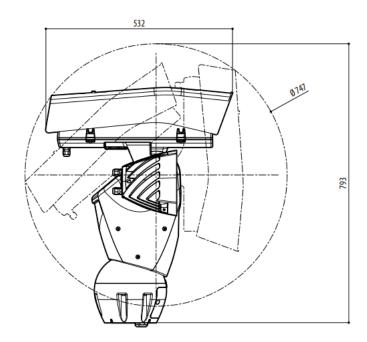
Ordering information	
TPWM01	Wall Mount bracket for TrafficPTZ camera
TPPM01	Pole Mount bracket for TrafficPTZ camera
TPCM01	Corner Mount bracket for TrafficPTZ camera

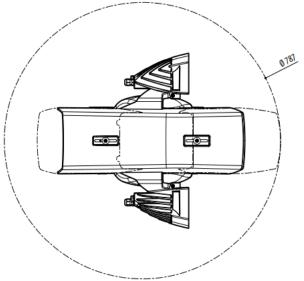
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DIMENSIONS IN MM







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