6MP WEB Camera

Description

In addition to its weather stations, MTX offers a high resolution color web camera with B/W night vision to be installed in situations where a visual control of the monitoring site is welcome; the typical example can be found in the context of the hydrometric control of rivers or streams.

The web camera is characterized by quality and robustness; it is designed for outdoor installations, capable of capturing high quality and high resolution images. The device is equipped with a 6 Mpixel sensor with a maximum resolution of 3200 x 1800.

To ensure operation in adverse conditions the web camera is protected by an IP67 shell, able to protect the equipment from dust and rain.

The device operates independently, producing color, or black and white images at night through the use of an IR illuminator. Through an Ethernet connection, the camera can be interfaced to the MeteoDAS datalogger or to a router (in local network or connected to the internet through mobile telephony) to send images to the operations center.

The use of the web camera paired with the MeteoDAS datalogger, allows the management of the operating phases of the device, reducing the overall consumption of the system. This condition allows to have images produced by remote stations with limited energy availability as powered by solar photovoltaic modules.

WEB-Camera

Tide gauge station — web-camera typical installation

Technical specifications may be varied without prior notice

Technical specifications

Image Sensor	1/2.4" Progressive Scan CMOS
Max. Resolution	3200 × 1800
Min. Illumination	Color: 0.003 Lux @ (F1.6, AGC ON),B/W: 0 Lux with IR
Day & Night	IR cut filter
Lens Type	Fixed focal lens, 2.8, 4, and 6 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127° 4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96° 6 mm, horizontal FOV 51°, vertical FOV 26°, diagonal FOV 59°
Supplement Light Type	IR
Supplement Light Range	up to 80 m
IR Wavelength	850 nm
Main Stream (video	50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264,
Video Bit Rate	32 Kbps to 16 Mbps
Network protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP, WebSocket, WebSockets, SRTP, SFTP
Simultaneous Live View	Up to 6 channels
Web Browser	Plug-in required live view: IE10+, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Local service: Chrome 57.0+, Firefox 52.0+
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Reset Key	Yes
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm, exception
Power	12 VDC, 0.88 A, max. 10.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, max. 12 W
Dimension and Weight	Ø105 mm × 290 mm - Approx. 1085 g
Startup And Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Protection	IP67: IEC 60529-2013

Ordering codes

WEB camera	**PCTVC031**

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