

B22

5MP 10x with WDR 74dB

- 5 Megapixel, 10x,
- Weatherproof (IP66)



Specifications

Product Profile

Product Type	Zoom Box
Application Environment	Indoor/Outdoor
Maximum Resolution	5MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/3.2 "
Effective Pixels	2592(H) X 1944(V) (5.04 MP)
Day / Night	Yes
Low Light Sensitivity	Standard
Minimum Illumination	Color: 0.1 lux at F1.8 (30 IRE , 2400 K); B/W: 0.05 lux at F1.8 (30 IRE, 2400 K)
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1100nm
Color to B/W Switch	ISP based switch, configurable
Electronic Shutter	1/5-1/2000 second (manual mode); 1/5-1/10000 second (auto mode)
Horizontal Resolution (TV Lines)	1500 TVL
S/N Ratio	52 dB

Lens

Focal Length	Zoom, f4.9-49mm
Aperture	F1.6-F3.0
Zoom Ratio	10x optical zoom
Zoom Speed	2.5 second (wide to tele)
Zoom Application	Camera Installation, Auto Zoom by Event, Manual Operation
Iris	DC iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	49.69° - 5.83°

PTZ

Absolute Position	Yes
Pan, Tilt or Zoom protocol	Visca, Pelco-D, Pelco-P, ACTi URL command

Video

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	15 fps at 2592 x 1944 15 fps at 2048 x 1536 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 640 x 480 15 fps at 320 x 240
Bit Rate	28Kbps - 6Mbps
Bit Rate Mode	Constant, Variable
Multi-Streaming	Simultaneous dual streams based on two configurations
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Basic WDR (74 dB)
Image Orientation	Flip, Mirror
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic gain control (AGC), Flickerless
Privacy Mask	4 configurable regions for each of 17 preset points
Text Overlay	Yes
On-Screen Graphics (Picture Overlay)	Yes
Server-based Analytics	Object Line Counting, People Counting, Face Detection, Object Based Motion Detection, Tamper, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Smoke Detection, Heat Map, Dwell Time, People Queue Detection, (Require PC-based or standalone IVS or ALPR Server. Contact ACTi support for recommendations on how to maximize analytical accuracy)

Audio

Audio Type	2-way, Line-in, Line-out
Audio Compression	8 kHz, 16 bit encoding, Mono, PCM, G.711

Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, Bonjour, UPnP, QoS, SNMP, IEEE 802.1X
Ethernet Port	1 x RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control, Standard IoT Security (anti-hacking, anti-malware)

Event

Event Trigger	Video motion detection (3 regions), External device through digital input, Sound detection,
Event Response	Notify control center, Go to Zoom preset point or preset tour, Change camera settings, Command other devices, E-mail notification with snapshots, Play the audio file, Push notification to mobile device, Save video to storage, Upload video or snapshot to FTP server, Upload video to NVR server, Activate external device through digital output

Integration

Unified Solution	Fully compatible with ACTi software
Software Development Kit	Yes
GPS Position	Manual setting
Edge Recording	Support (integration with NVR by ONVIF Profile G or proprietary protocol)*
ONVIF Compliant	Profile S, Profile G, Profile T, Profile Q
GB28181 Compliant	Yes
Web Browser	IE 11 or newer, Firefox with VLC, Chrome with VLC, Safari with QuickTime
Auto Firmware Upgrade	Yes

Interface

Serial Port	1 x RS-485/RS-422
Audio Interface	Terminal block
Digital Input/Output	1/1
Operating Button	Reset Button

General







Power Source	DC 12V, PoE Class 2 (IEEE802.3af)
Power Consumption	4.32 W (PoE)
Weight	607g (1.338lb)
Dimensions	(W x H x D): 81mm x 71mm x 176mm (3.2" x 2.8" x 6.9")
Environmental Casing	Optional housing (IP66)
Mount Type	Bracket, Pole Mount, Corner Mount
Heater	Yes
Starting Temperature	-10°C ~ 50°C (14°F ~ 122°F) within 30 minutes
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Humidity	10% - 85% RH, non-condensing

Approvals	CE Class B, FCC Class B, EAC, UL (for optional PoE injector and power adapter)
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

* Edge Recording function is integrated with NVR 3 Corporate / NVR 3 Business / INR / GNR series.









Related Products

Mounting Accessories - Camera Mount

PMAX-0402	 Corner Mount
PMAX-0503	 Pole Mount (for PMA-0102, PMA-0312, PMA-0313, PMA-0314, PMA-0702, PMA-1106, PMA-1107), supports 5.25" to 8.5" Poles
PMAX-0508	 Pole Mount (for PMA-0203, PMA-0204, PMA-0205, PMA-0206, PMA-0704), supports 3" to 9" Poles
PMAX-0704	 Junction Box (for A4x, B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMA-0203~PMA-0205)
PMAX-1105	 Bracket for Indoor Box Cameras (for B2x)
PMAX-1106	 Bracket for Outdoor Box Cameras (KCM-5211E, KCM-5511, KCM-5611, Box Cameras with Outdoor Housing)

Note: Some mounting accessories may need additional accessories for installation. Please check www.acti.com/mountingselector for more information.

Enclosures - Box Camera Housing

PMAX-0200	 Outdoor Housing with Heater and Fan (110V)
PMAX-0201	 Outdoor Housing with Heater and Fan (220V)
PMAX-0202	 Outdoor Housing
PMAX-0203	 Heavy Duty Outdoor Housing with Heater and Fan (230V) and Bracket
PMAX-0204	 Heavy Duty Outdoor Housing with Heater and Fan (110V) and Bracket
PMAX-0206	 PoE Heavy Duty Outdoor Housing with Heater, Fan, Defogger and Bracket
PMAX-0208	 Explosion Proof Housing with Heater, Fan (AC 110V~220V) and Bracket
PMAX-0210	 Stainless Steel Housing with Heater, Fan (AC 110V~220V) and Bracket

Power Supply Accessories - Power Adapter

PPBX-0011



Power Adapter AC 100~240V, with universal connectors for all DC12V powered devices

Network & Storage Peripherals - Data Switch

PPSW-0102



PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)

Audio Devices - Microphone

PMIC-0100



Active Microphone Omnidirectional for all Cameras with Line-in Audio

Other Accessories - Accessory Part

R707-10000



Mounting Block (for D2x, E2x, B2x, I2x)