ACV-IPEF30-2M 2.0 2MP IR Mini-Bullet Network Camera



System Overview

The IR Megapixel Fixed camera delivers 2MP resolution with a motorized 2.8mm/3.6mm fixed lens.The camera's elegant blend of aesthetics combined with a range of easy mounting solutions provides an excellent choice for a variety of small to mid-size applications at an affordable price.

Functions

Smart Codec (H.265+ & H.264+)

Smart Codec is the optimized implementation of standard video compression (H.265 & H.264) that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart Codec technology reduces bit rate and storage requirements by up to 70% when compared to the standard video compression.

Intelligent Video Analysis (IVS)

Acvil camera is equipped with a built-in intelligent analytic algorithm based on video, which can realize intelligent functions like Tripwire and Intrusion, to quickly and accurately respond to monitoring events in specific area, It can enhance monitoring efficiency. In addition, the camera supports intelligent tamper detection, which is to generate warning message via detecting dramatic scene change and to guarantee effective video surveillance.

Smart IR Technology

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts the intensity of camera's infrared LEDs to compensate the distance of an object. Smart IR technology prevents IR LEDs from whitening out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 30m (98ft).

2.0 Series | ACV-IPEF30-2M 2.0

- · 1/2.7" 2Megapixel progressive CMOS
- · H.265& H.264 dual-stream encoding
- · 25/30fps@1080P(1920×1080)
- · DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · 2.8 mm fixed lens (3.6mm optional)
- · Max IR LEDs Length 30m
- · IP67, PoE



Protection (IP67, wide voltage)

The camera allows for $\pm 25\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67), the camera is the choice for installation in even the most unforgiving environments.

Environmental

Acvil cameras operate in extreme temperature environments, rated for use in temperatures from-30° C to +60° C (-22° F to +140° F) with 95% humidity.

Image Flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

2.0 Series | ACV-IPEF30-2M 2.0

Technical Specification Camera 1/2.7" 2Megapixel progresive CMOS Image Sensor 1920(H) x1080(V) Effective Pixels RAM/ROM 256MB/32MB Scanning System Progressive Auto/Manual, 1/3~1/100000s Electronic Shutter Speed 0.08Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) Minimum Illumination OLux/F2.0(IR on) More than 50dB S/N Ratio Distance up to 30m(98ft) IR Distance IR On/Off Control Auto/ Manual 18 IR LEDs Lens Lens Type Fixed Mount Type Board-in 2.8 mm (3.6 mm optional) Focal Length F2.0/F2.0 Max. Aperture Angle of View H:104°/92°,V:55°/50° Focus Control Fixed **Close Focus Distance** 0.6m(0.9m) Detect Observe Recognize Identify Lens 4(13ft) DORI Distance 40(131ft) 16(52ft) 8(26ft) 2.8 mm 5(16ft) 53(174ft) 21(69ft) 11(36ft) 3.6 mm PTZ Pan/Tilt Range Pan:0° ~360° ;Tilt:0° ~90° ;Rotation:0° ~360° Intelligence Motion detection, Video tampering, Scene changing, Event Trigger Network disconnection, IP address conflict, Illegal access, Storage anomaly IVS Tripwire, Intrusion Video Compression H.265/H.264H/MJPEG(Sub Stream) Smart Codec Support H.265+/H.264+ Streaming Capability 2 Streams 1080P(1920×1080)/1.3M(1280×960)/ Resolution 720P(1280×720)/D1(704×576/704×480)/ VGA(640×480)/CIF(352×288/352×240) Main Stream: 1080P(1~25/30fps) Frame Rate Sub Stream: D1(1 ~ 25/30fps) CBR/VBR Bit Rate Control H.265: 12K ~ 6400Kbps Bit Rate

H.264: 32K ~ 10240Kbps

Day/NightAuto(ICR) / Color / B/WBLC ModeBLC / HLC / DWDRBLC ModeAuto/Natural/Street Lamp/Outdoor/ManualGain ControlAuto/NanualNoise ReductionDD NRMotion DetectionOff / On (4 Zone, Rectangle)Region of InterestOff / On (4 Zone)Flectronic ImageSupportSmart IROrg/Orj807270*MirrorOff / OnPrivacy MaskingOff / OnPrivacy MaskingOff / OnAutoloSupportAutoloN/APretocolN/ANetworkSupportProtocolN/ASteraming MethodN/ASteraming MethodOutyFProfile S&G, APIManagement SoftwareSupportAutopyLife RougeNASSteraming MethodNoSurar PhoneSupportJord FriedictionsCf (N GoSSD-1) CC: CF art 15 Subpart BCertificationsCf (N GoSSD-1) CC: CF C art 15 Subpart BAutageNAStataNAAutoli InterfaceNAMarci AlamNAAutor Alam <th></th> <th></th>		
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Management Software Smart PSS, DSS, DMSS Smart Phone IOS, Android Certifications CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B Interface N/A Audio Interface N/A RS485 N/A Alarm N/A Electrical D12V, POE (802.3af)(Class 0) Power Supply D12V, POE (802.3af)(Class 0)	Edge Storage	
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Electrical Power Supply DC12V, PoE (802.3af)(Class 0)	RS485	N/A
Power Supply DC12V, PoE (802.3af)(Class 0)	Alarm	N/A
	Electrical	
Power Consumption <5.5W	Power Supply	DC12V, PoE (802.3af)(Class 0)
	Power Consumption	<5.5W

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Environmental

Operating Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH
Strorage Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A
Construction	
Casing	Metal+Plastic
Dimensions	Φ70mm×164.7mm(2.76"x6.49")
Net Weight	0.38Kg(0.84lb)
Gross Weight	0.44Kg(0.97lb)

Dimensions (mm/inch)

