IPEG-D20V-IRW2
2MP IR Dome Network Camera

ICREALTIME

- 1/2.7" 2 Megapixel progressive CMOS
- H.265+ & H.265 dual-stream encoding 25/30fps@1080P(1920x1080)
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Micro SD card slot, up to 256GB
- 2.8~12mm varifocal lens
- Max IR LEDs Length 131 ft
- IP67, IK10, PoE

System Overview

A favorite powered zoom dome camera, now available in the EDGE lineup -IPEG-D20V-IRW2.

The IPEG-D20V-IRW2 is a 2MP Day/Night camera with a 2.8mm ~ 12mm varifocal lens. The camera itself supports H.265 compression and True Day/Night viewing at up to 131 feet with 0 light. It supports up to 256GB of Micro SD memory and is IP67 weather rated, IK10 impact proof as well as PoE.

Functions

Smart H.265+
Smart H.265+ is the optimized implementation of the H.265 codec 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 H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Protection (IP67, IK10, wide voltage)
The camera allows for ±30% 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) and impact tests (IK10), the camera is the choice for installation in even the most unforgiving environments

Environmental
Cameras operate in extreme temperature environments, rated for use in temperatures from -40° C to +60° C (-40° F to +140° F) with 95% humidity.

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

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 40 m (131.0 ft).

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Technical Specification

Camera

Image Sensor	1/2.7" 2 Megapixel progressive CMOS
Effective Pixels	1920(H)x1080(V)
ROM/ RAM	16MB/ 64MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s
Minimum Illumination	0.008 Lux @ F1.7
S/N Ratio	More than 50dB
IR Distance	40 m (131.2 ft)
IR On/Off Control	Auto / Manual
IR LEDs	2

Lens

Lens Type	Motorized
Mount Type	φ14
Focal Length	2.8mm~12mm
Max. Aperture	F1.7
Angle of View	Horizontal: 106°–33°, Vertical: 56°–19
Focus Control	Fixed
Close Focus Distance	0.8 m (2.6 ft)

DORI Distance	Detect	Observe	Recognize	Identify
	144ft	57ft	28ft	14ft
	502ft	200ft	100ft	50ft

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan:0° ~355° ;Tilt:0° ~75° ;Rotation:0° ~355°

Video

Compression	H.265; H.264; H.264H; H.264B; MJPEG
Streaming Capability	2 Streams
Resolution	1080P(1920x1080)/1.3M(1280×960)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)
Frame Rate	Main Stream: 1920 × 1080 (1 fps–25/30 fps) Sub Stream: D1/CIF(1 ~ 25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32 Kbps–6144 Kbps H.265: 12 Kbps–7424 Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / DWDR
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Smart IR	Support
Defog	N/A
Digital Zoom	16x
Flip	0°/90°/180°/0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	N/A

Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast
Interoperability	ONVIF (Profile S); CGI; Genetec; P2P
Max. User Access	6
Edge Storage	FTP; Micro SD card (support max. 256 GB)
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	SmartICRSS, DSS
Smart Phone	IOS, Android

Certifications

Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B

Interface

Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A

Electrical

Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	Max 6.3W

Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	88.9 mm × 122 mm (3.5" × 4.8")
Net Weight	0.45 kg (1.0 lb)
Gross Weight	0.63 kg (1.4 lb)

Accessories

Dimensions (mm/in)

45.5 [1.79]

88.9 [3.50]

⌀122.0 [⌀4.80]

⌀110.0 [⌀4.33]

3-⌀4.5 [⌀0.18]