HD Dome Camera, 5-Megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push Autofocus, PoE (Class 0), Vandal-resistant (IK10)



The DDF4920HDV-DN is a 5-megapixel HD network camera built into a vandal-resistant (IK10) dome enclosure.

The camera provides real-time Full HD video (1080p/30) using the H.264 codec, currently, the most advanced standard for high-efficiency video compression and supports resolutions up to 5-megapixel.

Besides a comprehensive set of automatic and manual image optimization functions and many other setting options, it features automatic Day/Night operation supported by integrated ambient light sensing and a removable IR cut filter (ICR1).

The built-in Remote Back Focus Control technology allows for a precise and easy remote focusing over the network. With just one click, first the almost ideal focus range is recognized automatically (One-Push Autofocus), which then can be precisely adjusted by using manual fine-tuning, if needed, in order to always get perfect images with excellent sharpness.

In conjunction with the Digital Image Shift function, which provides for a subsequent digital fine alignment of the image section, a convenient and straightforward installation process of the camera is guaranteed.

Depending on the requirements, the camera can be conventionally supplied with 12V DC or conveniently operated via Power over Ethernet (PoE Class 0, IEEE 802.3af) which allows for an easy, quick and cost-effective cabling and commissioning.

## Features

- 1/2.5" 5-megapixel CMOS image sensor
- Pure Digital Signal Processing
- Real-time Full HD video (1080p/30)
- Automatic Day/Night switching using ambient light sensing and ICR<sup>1</sup>) function (switching threshold level adjustable)
- High light sensitivity (0,3 lux at F1.0, 50 IRE)
- Remote Back Focus Control with One-Push AF (Autofocus) and manual fine-tuning via web browser
- Resolution: SD (up to D1), HD (720p, 1080p, 2MP, 3MP, 4MP, 5MP)
- Video compression: H.264, MJPEG
- Frame rate up to 30 fps
- Simultaneous Dual- or Tri-Streaming
- Automatic White Balance (ATW, One-Push AWB)
- Automatic Gain Control (AGC)
- Automatic Electronic Shutter (AES)
- Comprehensive set of image optimization functions like brightness, contrast, saturation and sharpness
- 3D Digital Noise Reduction (3D DNR)
- Three different exposure metering modes: average metering (light information from entire scene), centre-weighted average metering and spot metering

- Privacy Zone Masking (hiding/masking of protected areas)
- Flip function (horizontal, vertical or both)
- Digital Image Shift<sup>2</sup>)
- Motion detection<sup>3)</sup> with selectable sensitivity
- Alarm notification via DaVid Protocol<sup>3)</sup>, e-mail and FTP image upload
- Local video memory: SDHC card slot integrated<sup>3)</sup>
- Analogue video preview output (CVBS)
- Audio OUT<sup>4</sup> / Microphone IN<sup>4</sup>
- Voltage supply with 12 V DC or via PoE (Class 0, IEEE 802.3af)
- Low power consumption (max. 4.5W)
- 3-axis adjustment
- Two available mounting variants:
- in-ceiling mount (IM) or surface mount (SM)
- Available with different lens types
- Compact vandal-resistant (IK10) housing
- IP67 (surface mount variant)
- ONVIF compliant
- DIN EN 50130-4 compliant

ICR = IR Cut Filter Removable

- Provides digital fine alignment of the image section (only applicable at resolutions less than 5MP)
- Function in preparation Audio IN/OUT Y-Cable Connector FGA-30 required (optionally available) 4)

HD Dome Camera, 5-Megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push Autofocus, PoE (Class 0), Vandal-resistant (IK10)

## Variants/Options

HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, POE (Class 0), vandal-resistant (IK10), in-ceiling mount variant, F1.8 / 1.8 – 3 mm         104487.403       DDF4320HDV-DN-SM HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, POE (Class 0), vandal-resistant (IK10), surface mount variant, F1.8 / 1.8 – 3 mm         104486.404       DDF4320HDV-DN-SM HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, POE (Class 0), vandal-resistant (IK10), in-ceiling mount variant, F1.5 / 9 – 40 mm         104486.405       DDF4320HDV-DN-SM HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, POE (Class 0), vandal-resistant (IK10), in-ceiling mount variant, F1.5 / 9 – 40 mm         104486.405       DDF4320HDV-DN-SM HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, POE (Class 0), vandal-resistant (IK10), surface mount variant, F1.5 / 3.9 – 10 mm         104486.405       DDF4320HDV-DN-SM HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, POE (Class 0), vandal-resistant (IK10), in-ceiling mount variant, F1.8 / 3.9 – 10 mm         104487.405       DDF4320HDV-DN-SM HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, POE (Class 0), vandal-resistant (IK10), surface mount variant, F1.8 / 3.	Variants		
HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         N04486.404       DDF4920HDV-DN-IM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         in-ceiling mount variant, F1.5 / 9-40mm         104487.404       DDF4920HDV-DN-SM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         surface mount variant, F1.5 / 9-40mm         104487.404       DDF4920HDV-DN-SM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         surface mount variant, F1.5 / 9-40mm         104486.405       DDF4920HDV-DN-IM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         in-ceiling mount variant, F1.8 / 3.9-10 mm         104487.405       DDF4920HDV-DN-SM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with On	004486.403	HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),	
HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         In-ceiling mount variant, F1.5 / 9-40 mm         ID04487.404       DDF4920HDV-DN-SM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         surface mount variant, F1.5 / 9-40 mm         ID04486.405       DDF4920HDV-DN-IM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         in-ceiling mount variant, F1.8 / 3.9-10 mm         ID04487.405       DDF4920HDV-DN-SM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, POE (Class 0), vandal-resistant (IK10),         in-ceiling mount variant, F1.8 / 3.9-10 mm         ID04487.405       Def4920HDV-DN-SM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, POE (Class 0), vandal-resistant (IK10),         surface mount variant, F1.8 / 3.9-10 mm         ID04487.405       Design Colours IM Cover Ring         Cover ring for in-ceiling mount variant according to	004487.403	HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),	
HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         surface mount variant, F1.5 / 9-40 mm         1004486.405         DDF4920HDV-DN-IM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         in-ceiling mount variant, F1.8 / 3.9 – 10 mm         1004487.405         DDF4920HDV-DN-SM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         in-ceiling mount variant, F1.8 / 3.9 – 10 mm         1004487.405       DDF4920HDV-DN-SM         HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         surface mount variant, F1.8 / 3.9 – 10 mm         100428       Design Colours IM Cover Ring         Cover ring for in-ceiling mount variant according to RAL or Pantone colour chart         1001044       Tinted Bubble         For in-ceiling and surface mount variant, 4.5"         1001431       EvC-1	004486.404	HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),	
HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10), in-ceiling mount variant, F1.8 / 3.9–10 mm         004487.405       DDF4920HDV-DN-SM HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10), surface mount variant, F1.8 / 3.9–10 mm         004487.405       DDF4920HDV-DN-SM HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10), surface mount variant, F1.8 / 3.9–10 mm         0ptions       Coptions         004428       Design Colours IM Cover Ring Cover ring for in-ceiling mount variant according to RAL or Pantone colour chart         001044       Tinted Bubble 	004487.404	HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),	
HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR),         Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),         surface mount variant, F1.8 / 3.9 – 10 mm         000428       Design Colours IM Cover Ring Cover ring for in-ceiling mount variant according to RAL or Pantone colour chart         001044       Tinted Bubble For in-ceiling and surface mount variant, 4.5"         001431       EvC-1	004486.405	HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),	
Design Colours IM Cover Ring Cover ring for in-ceiling mount variant according to RAL or Pantone colour chart         Dillow       Tinted Bubble For in-ceiling and surface mount variant, 4.5"         Dillow       EvC-1	004487.405	HD dome camera, 5-megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push AF, PoE (Class 0), vandal-resistant (IK10),	
Design Colours IM Cover Ring Cover ring for in-ceiling mount variant according to RAL or Pantone colour chart         Dillow       Tinted Bubble For in-ceiling and surface mount variant, 4.5"         Dillow       EvC-1	Options		
For in-ceiling and surface mount variant, 4.5" <b>EvC-1</b>	000428	Design Colours IM Cover Ring	
	001044		
High-opea Linemer data udiisinission via coasial cable	001431	EvC-1 High-Speed Ethernet data transmission via coaxial cable	
N01678         Power Supply Unit (110-240 V AC -> 12 V DC)           Universal power supply, 110-240 V AC to 12 V DC, 850 mA, plug adapter EU/UK/US/AUS	001678		
Audio IN/OUT Y-Cable Connector FGA-30           3.5 mm stereo plug to 2× RCA jack incl. galvanic isolation	003694		

HD Dome Camera, 5-Megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push Autofocus, PoE (Class 0), Vandal-resistant (IK10)

## Specifications

Sensor Type Signal processing Image capture Minimum illumination Dynamic range

#### Functions Day/Night switching B/W (black-and-white) mode Automatic Electronic Shutter (AES)

3D Digital Noise Reduction (3D DNR) Automatic Exposure (AE) Presets Exposure metering mode

Brightness adjustment Gain control White balance

Privacy Zone Masking Flip function Remote Back Focus Control Digital Image Shift<sup>8)</sup> Motion detection<sup>9)</sup> (VMD) Alarm notification Configuration Languages

Lens

Mount Auto iris control Type

### Format and Encoding

Video standard Resolution

Video compression Audio compression Frame rate

Video bit rate Audio bit rate Video streaming

Transfer format Live streaming transmission method

ICR = IR Cut Filter Removable

According to the sensor manufacturer's specifications 6)

Without colour information, or rather in black-and-white mode, the image quality in low light conditions will be much clearer (e.g. less colour noise). 7)

Provides digital fine alignment of the image section (only applicable at resolutions less than 5 MP)

9) Function in preparation

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1/2.5" 5-megapixel CMOS image sensor Pure Digital Signal Processing Progressive Scan 0,3 lux (F1.0, 50 IRE) Max. 70 dB6)

Yes, using ambient light sensing and ICR<sup>5</sup> function (switching threshold level adjustable) Automatic<sup>7</sup>) (in Night mode) 1/25(30)-1/2500s (Auto Slow Shutter extends maximum exposure time to 1/4(5)s with AE Preset "Low light") On/Off Outdoor, Indoor, Low light Average metering (light information from entire scene), centre-weighted average metering, spot metering Automatic (ALC)/Manual Automatic (AGC) ATW (Auto Tracking White Balance) One-Push AWB (Automatic White Balance) MWB (Manual White Balance) Yes (max. 20% of the entire image) Horizontal, vertical or both Yes, One-Push AF (Autofocus) and manual fine-tuning via web browser Yes With selectable sensitivity (5 levels) Via DaVid Protocol (Dallmeier Video Protocol) to PGuard advance9), e-mail, FTP image upload Via web browser German, English, Spanish, French, Italian

CS-mount Compatible with DC drive auto iris lenses Specifications and available angles of view depending on variant (see "Lens Types" on page 5)

SDTV (PAL/NTSC), HDTV (SMPTE 296M, SMPTE 274M) Encoder 1: 4CIF (704 × 576) / 4SIF (704 × 480) D1 PAL (720 × 576) / D1 NTSC (720 × 480) 720p (1280×720) 1080p (1920 × 1080) 2 MP (1600 × 1200) 3 MP (2048 × 1536) 4 MP (2336 × 1744) 5 MP (2592×1920) Encoder 2: Wide-CIF (480 × 288 / 384 × 288) VGA (640 × 352 / 640 × 480) 4 MP (2336×1744) Encoder 3: 192 × 128 H.264, MJPEG G.711 Up to 30 fps with 4SIF Up to 30 fps with D1 Up to 30 fps with 720p Up to 30 fps with 1080p Up to 30 fps with 2MP Up to 15 fps with 3 MP Up to 12.5 fps with 4 MP Up to 10 fps with 5 MP 0.25-10 Mbps, CBR (constant bit rate) or VBR (variable bit rate) 64 kbps Simultaneous Dual- or Tri-Streaming (number of simultaneous streams depends on compression method, resolution and bit rate) Progressive (full image) Unicast, Multicast

1× 3.5 mm phone jack (for stereo plug)<sup>10)</sup>

1× RJ45, 10BASE-T-/100BASE-TX-PoE

SDHC card slot integrated<sup>11</sup>)

Core Specifications 1.01 & 1.02

12V DC ±10% or PoE (Class 0)

White (standard variant)

IP67 (surface mount variant only)

In-ceiling mount variant (indoor):

In-ceiling mount variant: approx. 1200 g (2.6 lb) Surface mount variant: approx. 1100g (2.4 lb)

Clear (with black inner liner for discrete surveillance)

12V DC (Weidmüller male connector SL 3.50/02/90G)

IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, FTP, SMTP, RTP, RTCP

Mic IN: max. 63 mV (RMS), input resistance 10 kOhm, internal gain 20 dB

Open platform for integration into 3rd party systems using API and ActiveX\*

In-ceiling mount variant: approx. Ø170×H135mm (Ø6.7×H5.3 inches) Surface mount variant: approx. Ø153 × H135 mm (Ø6.0 × H5.3 inches)

IK10 protection against external mechanical impacts (up to 20 joules)

1× BNC (CVBS) - for local installation only, e.g. for adjusting the focal length and image section

## DDF4920HDV-DN

HD Dome Camera, 5-Megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push Autofocus, PoE (Class 0), Vandal-resistant (IK10)

Yes

Integrated

IEEE 802.3af

Max. 4.5W

3-axis

Yes

### **Specifications (Continuation)**

Protocols Ethernet protocols SNMP support

### Connections

Analogue video preview output Audio OUT (Mono) / Microphone IN (Mono)

Ethernet Power IN

### Miscellaneous

Ambient light sensor Local video memory Programming interface **ONVIF** compliance

### Electrical Data

Voltage supply PoE standard Power consumption

#### Mechanical Data Dimensions

#### Weight

Adjustment Colour Bubble Vandal-resistant IK protection IP rating

### **Environmental Conditions** Operating temperature

Relative humidity

#### Approvals/Certifications Туре

Surface mount variant (in- and outdoor): -10°C to +40°C (14°F to 104°F) 0%-90% RH, non-condensing CE, FCC, ACA, UVV "Kassen" (DGUV Test), UL, DIN EN 50130-4 compliant

0°C to +35°C (32°F to 95°F)

10) Audio IN/OUT Y-Cable Connector FGA-30 required (optionally available)

11) Function in preparation

HD Dome Camera, 5-Megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push Autofocus, PoE (Class 0), Vandal-resistant (IK10)

## Lens Types

Lens F1.8 / 3.9-10 mm	
Туре	5-Megapixel varifocal lens
Format	1/2"
Mount	CS-mount
Focal length	3.9–10 mm
Iris range	F1.8-360
Iris control	DC auto iris
Zoom	Manual
Focus	Manual
MOD (Minimum Object Distance)	0.3m
IR corrected	Yes
Available angles of view <sup>12)</sup> (H×V) at wide end	approx. $48^{\circ} \times 37^{\circ}$ with 4SIF approx. $48^{\circ} \times 37^{\circ}$ with 4CIF approx. $40^{\circ} \times 31^{\circ}$ with D1 NTSC approx. $40^{\circ} \times 31^{\circ}$ with D1 PAL approx. $54^{\circ} \times 29^{\circ}$ with 720p approx. $54^{\circ} \times 29^{\circ}$ with 1080p approx. $44^{\circ} \times 33^{\circ}$ with 2MP approx. $57^{\circ} \times 43^{\circ}$ with 3MP approx. $66^{\circ} \times 48^{\circ}$ with 4MP approx. $73^{\circ} \times 53^{\circ}$ with 5MP
Available angles of view <sup>12)</sup> (H×V) at tele end	approx. 20° × 15° with 4SIF approx. 20° × 15° with 4CIF approx. 18° × 14° with D1 NTSC approx. 18° × 14° with D1 PAL approx. 23° × 13° with 720p approx. 23° × 13° with 1080p approx. 25° × 19° with 2MP approx. 25° × 19° with 3MP approx. 28° × 21° with 4MP approx. 31° × 23° with 5MP

Ultra Wide-Angle Lens F1.8	/ 1.8–3 mm
Туре	5-Megapixel varifocal lens
Format	1/2.5"
Mount	CS-mount
Focal length	1.8–3mm
Iris range	F1.8-Closed
Iris control	DC auto iris
Zoom	Manual
Focus	Manual
MOD (Minimum Object Distance)	0.5 m
IR corrected	Yes
Available angles of view $^{12)}(\rm H\times V)$ at wide end	approx. $88^{\circ} \times 72^{\circ}$ with 4SIF approx. $88^{\circ} \times 72^{\circ}$ with 4CIF approx. $74^{\circ} \times 62^{\circ}$ with D1 NTSC approx. $74^{\circ} \times 62^{\circ}$ with D1 PAL approx. $91^{\circ} \times 59^{\circ}$ with 720p approx. $91^{\circ} \times 59^{\circ}$ with 720p approx. $84^{\circ} \times 64^{\circ}$ with 2MP approx. $94^{\circ} \times 78^{\circ}$ with 3MP approx. $102^{\circ} \times 85^{\circ}$ with 4MP approx. $107^{\circ} \times 90^{\circ}$ with 5MP
Available angles of view $^{12)}(\rm H\times\rm V)$ at tele end	approx. $60^{\circ} \times 47^{\circ}$ with 4SIF approx. $60^{\circ} \times 47^{\circ}$ with 4CIF approx. $58^{\circ} \times 44^{\circ}$ with D1 NTSC approx. $58^{\circ} \times 44^{\circ}$ with D1 PAL approx. $67^{\circ} \times 41^{\circ}$ with 720p approx. $67^{\circ} \times 41^{\circ}$ with 1080p approx. $58^{\circ} \times 45^{\circ}$ with 2MP approx. $71^{\circ} \times 56^{\circ}$ with 3MP approx. $78^{\circ} \times 62^{\circ}$ with 4MP approx. $84^{\circ} \times 67^{\circ}$ with 5MP

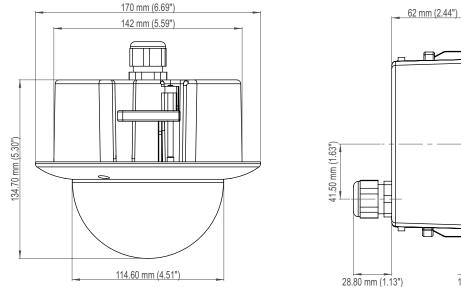
## Telephoto Lens F1.5 / 9-40 mm E Maganiyal varifaaal lana

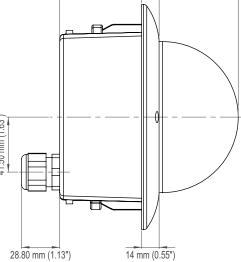
Туре	5-Megapixel varifocal lens
Format	1/2.5"
Mount	CS-mount
Focal length	9–40 mm
Iris range	F1.5-Closed
Iris control	DC auto iris
Zoom	Manual
Focus	Manual
MOD (Minimum Object Distance)	2.0 m
IR corrected	Yes
Available angles of view <sup>12)</sup> (H×V) at wide end	approx. $22^{\circ} \times 16^{\circ}$ with 4SIF approx. $22^{\circ} \times 16^{\circ}$ with 4CIF approx. $18^{\circ} \times 14^{\circ}$ with D1 NTSC approx. $18^{\circ} \times 14^{\circ}$ with D1 PAL approx. $24^{\circ} \times 13^{\circ}$ with 720p approx. $24^{\circ} \times 13^{\circ}$ with 1080p approx. $20^{\circ} \times 15^{\circ}$ with 2MP approx. $26^{\circ} \times 19^{\circ}$ with 3MP approx. $29^{\circ} \times 22^{\circ}$ with 4MP approx. $33^{\circ} \times 24^{\circ}$ with 5MP
Available angles of view <sup>12)</sup> (H×V) at tele end	approx. $5^{\circ} \times 3^{\circ}$ with 4SIF approx. $5^{\circ} \times 3^{\circ}$ with 4CIF approx. $5^{\circ} \times 4^{\circ}$ with D1 NTSC approx. $5^{\circ} \times 4^{\circ}$ with D1 PAL approx. $6^{\circ} \times 3^{\circ}$ with 720p approx. $6^{\circ} \times 3^{\circ}$ with 1080p approx. $5^{\circ} \times 4^{\circ}$ with 2MP approx. $7^{\circ} \times 5^{\circ}$ with 3MP approx. $8^{\circ} \times 6^{\circ}$ with 4MP approx. $9^{\circ} \times 6^{\circ}$ with 5MP

12) All specifications ±5%. Minor deviations with lenses may be a result of manufacturing tolerances and do not constitute a defect.

HD Dome Camera, 5-Megapixel, Full High-Definition, 1080p/30, H.264, Day/Night (ICR), Remote Back Focus Control with One-Push Autofocus, PoE (Class 0), Vandal-resistant (IK10)

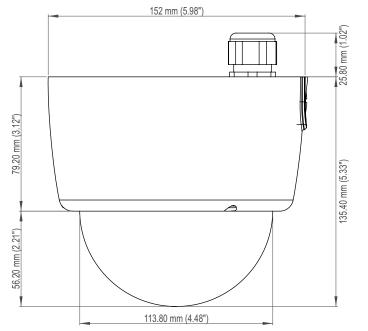
## Dimensions

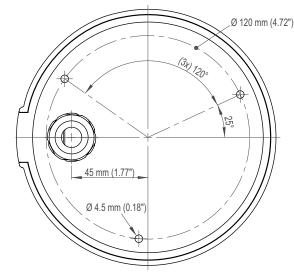




60 mm (2.36")

In-ceiling mount variant





Surface mount variant