DW ip Snapit ONVIF PoE

DW DIGITAL WATCHDOG
Everything's Digital

MEGAPIX

MEGAPIXEL Series

IP 2.1MP Network Cameras

HD 1080
Full HD

Dual Streaming

Motion Detection

3 CODEC
Triplex Encoder

ONVIF
ONVIF

PoE

UPnP FORUM MEMBER
UPnP

Easy Installation

1080P HIGH DEFINITION

With real-time live display of 1080p resolution, the VMAXHD offers clear, crisp, and detailed image, so you don't lose anything, and see everything.

D1 Resolution	HD 1080p

(8X Digital Zoom)

ONVIF (Open Network Video Interface Forum) compliant with ONVIF standards for increased flexibility and reduced total cost

PoE (Power over Ethernet)

simplifies installation by connecting both power and network through a single cable

VS

Powerful Electronic Wide Dynamic Range

Enables the camera to capture clear images in the same frame, even when there are both very bright and very dark areas in the same field.

Remote Auto Focus & 4.5X Optical Zoom

The SnapIt MEGAPIX cameras are equipped with a delicate auto focus mechanism for optimal configuration all from the camera's remote web viewer.

Day & Night

When light diminishes below a certain level, the camera will automatically switch to night mode, providing high quality black-and-white video images.

Day & Night

Automatically Switches

MEGAPIX Armored Dome

DW ip | **ONVIF** | **2 Year warranty**

MPA20M

| 2.1 Megapixel	4.3mm Fixed Lens	Day & Night	IP66	PoE

- ONVIF Conformant
- 2.1 Megapixels (1080P, 30fps)
- Triple Codecs (H.264, MJPEG, MPEG4) with Dual-Stream
- 1/2.8" CMOS Sensor (7% Larger Than 1/3" CMOS Sensor)
- 4.3mm Fixed Lens
- 8X Digital Zoom
- Electronic Day and Night
- Power over Ethernet [PoE] & DC 12V
- IP66 Certified (Weatherproof)
- Web Server Built-in
- 3D-DNR (3D Digital Noise Reduction)
- Email Event Notifications
- Programmable Privacy Zones (30) & Motion Detection
- Export Live Image & Video Through Web Viewer

Pan 360°   Tilt 90°

Dimensions (unit : mm)

120.0 (4.72in)   55.7 (2.19in)
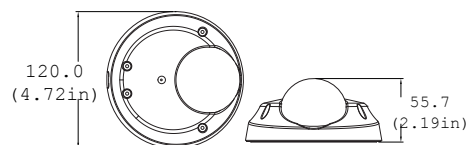
Specifications

IMAGE	
Image Sensor	1/2.8" CMOS (7% Larger Than 1/3" CMOS)
Total Pixels	2016 (H) X 1108 (V)
Minimum Scene Illumination	F1.6 (30IRE): 0.8 Lux [Color] F1.6 (30IRE): 0.01 Lux [B/W]
LENS	
Focal Length	4.3mm Fixed Lens
OPERATIONAL	
Digital Slow Shutter	Off, 2X, 3X, 4X
Back Light Compensation	Off, On
Day and Night	Auto, Day(Color), Night(B/W)
Lens Mode	Indoor, Outdoor
Mirror & Flip	On, Off
NETWORK	
Video Compression Type	H.264, MPEG4, MJPEG (Super, Fine, Low)
Resolution	1920X1080 (16:9) ~ 320X240 (4:3)
Frame Rate	Up to 30fps at All Resolutions
Maximum User Access	20 Users
ONVIF Conformance	Yes
Web Viewer	Internet Explorer, Chrome, Firefox, Safari
Supported Software	Blackjack, Pivot, NxMS, By OnVIF: Milestone, OnSSI, Exacq
ENVIRONMENTAL	
IP Rating	IP66 (Protects Against Dust and High Pressure Water.)
Other Certifications	CE, FCC, RoHS

MEGAPIX SnapIt Indoor Dome Megapix

DW ip | **ONVIF** | **2 Year warranty** | **Snapit**

MD421D/TIR

| 2.1 Megapixel	Auto Focus Lens	True Day & Night	Two Way Audio	PoE	Micro SD SDHC Card

- ONVIF Compliant
- 2.1 Megapixels (1080P, 30fps)
- Triple Codecs (H.264, MJPEG, MPEG4) with Dual-Stream
- 1/2.8" CMOS Sensor (7% Larger Than 1/3" CMOS Sensor)
- 3.5~16mm Auto Focus Lens
- 8X Digital Zoom, 4.5X Optical Zoom
- TDN (True Day and Night/TDN5) [MD421TIR Only]
- 70ft Range Smart IR [MD421TIR Only]
- Power over Ethernet [PoE] & DC12V
- Two-Way Audio
- Local SDHC Card Remote Backup
- Web Server Built-in
- Double Shutter WDR (Wide Dynamic Range)
- 3D-DNR (3D Digital Noise Reduction)
- Programmable Privacy Zones (30) & Motion Detection
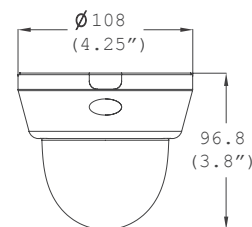
Snapit Easy Installation 1 2 3
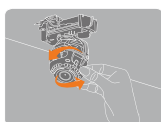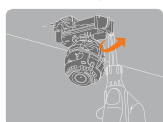
1 Two Screw Installation   2 Adjustment   3 Snap It

Dimensions (unit : mm)

Ø108 (4.25")   96.8 (3.8")

Specifications

IMAGE	
Image Sensor	1/2.8" CMOS Sensor (7% Larger Than 1/3" CMOS Sensor)
Total Pixels	2016 (H) X 1108 (V)
Minimum Scene Illumination	F1.6 (30IRE): 0.5 Lux [Color] F1.6 (30IRE): 0.01 Lux [B&W]
LENS	
Focal Length	3.5-16mm, Remote Auto Focus
Digital Zoom / Optical Zoom	8X / 4.5X
IR Distance	70ft Smart IR
AUDIO	
Compression and Sampling Rate	G.711 (8KHz); AAC (48KHz)
Input / Output	1 Line In and 1 Line Out Mono
OPERATIONAL	
Back Light Compensation	Off, On
Day and Night	Auto, Day (Color), Night (B/W)
Lens Mode	Manual, DC, AF
3D-Digital Noise Reduction	Off, Low, Middle, High
Privacy Zone	Off, On (30 Programmable Zones)
Motion Detection: Sensitivity	Low, Middle, High
Alarm Notifications	Notifications Via E-mail
NETWORK	
Video Compression Type	H.264, MPEG4, MJPEG (Super Fine~Low)
Resolution	1920X1080 (16:9) ~ 320X240 (4:3)
Frame Rate	Up to 30fps at All Resolutions
Maximum User Access	20 Users
ONVIF Conformance	Yes
Web Viewer	Browser: Internet Explorer, Chrome, Firefox, Safari
Video Management	Blackjack, NxMS, Pivot, By OnVIF: Milestone, OnSSI, Exacq
Memory Slot	Up to 32GB Micro SDHC Card Not Included*

✦✦MEGAPIX SnapIt Outdoor Vandal Megapix DW ip | ONVIF | 2Year warranty | Snapit

MV421D/TIR

**2.1 Megapixel** | **Auto Focus Lens** (3.5~16mm) | **Two Way Audio** | **PoE** | **IP68** | **Micro SD SDHC Card**

- ONVIF Compliant
- 2.1 Megapixels (1080P, 30fps)
- Triple Codecs (H.264, MJPEG, MPEG4) with Dual-Stream
- 1/2.8" CMOS Sensor (7% Larger Than 1/3" CMOS Sensor)
- 3.5~16mm Auto Focus Lens
- 8X Digital Zoom, 4.5X Optical Zoom
- TDN (True Day and Night/TDN5) [MV421TIR Only]
- 70ft Range Smart IR [MV421TIR Only]
- Power over Ethernet [PoE] & DC12V
- Two-Way Audio
- Local SDHC Card Remote Backup
- IP68 Certified
- Junction Box Built-in
- Web Server Built-in
- Double Shutter WDR (Wide Dynamic Range)
- 3D-DNR (3D Digital Noise Reduction)
- Programmable Privacy Zones (30) & Motion Detection
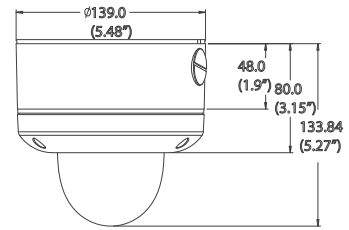
Snapit Easy Installation 1 2 3 4
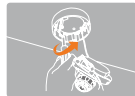
| 1 Built-in Junction Box Installation | 2 Snap It | 3 Adjustment | 4 Cover |

Dimensions (unit : mm)

Ø139.0 (5.48")
48.0 (1.9") 80.0 (3.15")
133.84 (5.27")

Specifications

IMAGE	
Image Sensor	1/2.8" CMOS Sensor (7% Larger Than 1/3" CMOS Sensor)
Total Pixels	2016 (H) X 1108 (V)
Minimum Scene Illumination	F1.6 (30IRE): 0.5 Lux [Color] F1.6 (30IRE): 0.01 Lux [B&W]
LENS	
Focal Length	3.5-16mm, Remote Auto Focus
Digital Zoom / Optical Zoom	8X / 4.5X
IR Distance	70ft Smart IR
AUDIO	
Compression and Sampling Rate	G.711 (8KHz); AAC (48KHz)
Input / Output	1 Line In and 1 Line Out Mono
OPERATIONAL	
Back Light Compensation	Off, On
Lens Mode	Manual, DC, AF
Alarm Notifications	Notifications Via E-mail
NETWORK	
Video Compression Type	H.264, MPEG4, MJPEG (Super Fine~Low)
Resolution	1920X1080 (16:9) ~ 320X240 (4:3)
Frame Rate	Up to 30fps at All Resolutions
Maximum User Access	20 Users
ONVIF Conformance	Yes
Web Viewer	Browser: Internet Explorer, Chrome, Firefox, Safari
Video Management	Blackjack, NxMS, Pivot, By OnVIF: Milestone, OnSSI, Exacq
Memory Slot	Up to 32GB Micro SDHC Card Not Included*
ENVIRONMENTAL	
IP Rating	IP68 (Protects against dust and immersion beyond 3ft.)
Other Certifications	CE, FCC, RoHS

✦✦MEGAPIX Color Box Megapix Camera DW ip | ONVIF | 2Year warranty

MC412D

**2.1 Megapixel** | **WDR** | **Day & Night** | **Two Way Audio** | **PoE** | **Micro SD SDHC Card**

- ONVIF Compliant
- 2.1 Megapixels (1080P, 30fps)
- Triple Codecs (H.264, MJPEG, MPEG4) with Dual-Stream
- 1/2.8" CMOS Sensor (7% Larger Than 1/3" CMOS Sensor)
- Electronic Day and Night
- Power over Ethernet [PoE] & DC12V
- Two-Way Audio
- Local SDHC Card Remote Backup
- Web Server Built-in
- Double Shutter WDR (Wide Dynamic Range)
- 3D-DNR (3D Digital Noise Reduction)
- Programmable Privacy Zones (30) & Motion Detection
- Compatible with C or CS Mount Lens

Dimensions (unit : mm)
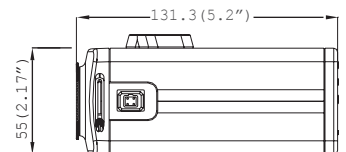
131.3 (5.2")
55 (2.17")

Specifications

IMAGE	
Image Sensor	1/2.8" Sony CMOS Sensor
Total Pixels	2016 (H) X 1108 (V)
Minimum Scene Illumination	F1.6 (30IRE): 0.5 Lux [Color] F1.6 (30IRE): 0.01 Lux [B&W]
AUDIO	
Compression and Sampling Rate	G.711 (8KHz); AAC (48KHz)
Input / Output	1 Line In and 1 Line Out Mono
OPERATIONAL	
Shutter Mode	Auto, Manual
Back Light Compensation	Off, On
Alarm Notifications	Notifications Via E-mail
NETWORK	
Video Compression Type	H.264, MPEG4, MJPEG (Super Fine~Low)
Resolution	1920X1080 (16:9) ~ 320X240 (4:3)
Frame Rate	Up to 30fps at All Resolutions
ONVIF Conformance	Yes
Web Viewer	Browser: Internet Explorer, Chrome, Firefox, Safari
Video Management	Blackjack, NxMS, Pivot, By OnVIF: Milestone, OnSSI, Exacq
Memory Slot	Up to 32GB Micro SDHC Card Not Included*
ENVIRONMENTAL	
IP Rating	IP66 (Weatherproof)
Other Certifications	CE, FCC, RoHS

MEGAPIX Bullet Megapix Camera

DW ip | **ONVIF** | **2 Year warranty**

MB421TIR

2.1 Megapixel | **Auto Focus Lens** | **Two Way Audio** | **PoE** | **IP66** | **Micro SD / SDHC Card**
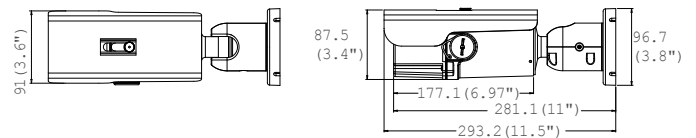
- ONVIF Compliant
- 2.1 Megapixels (1080P, 30fps)
- Triple Codecs (H.264, MJPEG, MPEG4) with Dual-Stream
- 1/2.8" CMOS Sensor (7% Larger Than 1/3" CMOS Sensor)
- 8X Digital Zoom, 8X Optical Zoom
- Up to 250ft Smart IR [MB421TIR650 Only]
- TDN (True Day and Night)
- Power over Ethernet [PoE] & DC12V
- Two-Way Audio
- Local SDHC Card Remote Backup
- IP66 Certified (Weatherproof)
- No Fog or Condensation under Any Weather Conditions
- Web Server Built-in
- Double Shutter WDR (Wide Dynamic Range)
- 3D-DNR (3D Digital Noise Reduction)
- Programmable Privacy Zones (30) & Motion Detection

Dimensions (unit : mm)

91 (3.6") | 87.5 (3.4") | 96.7 (3.8")
177.1 (6.97")
281.1 (11")
293.2 (11.5")

Specifications

IMAGE	
Image Sensor	1/2.8" CMOS Sensor (7% Larger Than 1/3" CMOS Sensor)
Total Pixels	2016 (H) X 1108 (V)
Minimum Scene Illumination	F1.6 (30IRE): 0.5 Lux [Color] F1.6 (30IRE): 0.01 Lux [B&W]
LENS	
Focal Length	3.5~16mm, Remote Auto Focus
Digital Zoom / Optical Zoom	8X / 4.5X
IR Distance	100ft Smart IR
AUDIO	
Compression and Sampling Rate	G.711 (8KHz); AAC (48KHz)
Input / Output	1 Line In and 1 Line Out Mono
OPERATIONAL	
Back Light Compensation	Off, On
Lens Mode	Manual, DC, AF
Alarm Notifications	Notifications Via E-mail
NETWORK	
Video Compression Type	H.264, MPEG4, MJPEG (Super Fine~Low)
Resolution	1920X1080 (16:9) ~ 320X240 (4:3)
Frame Rate	Up to 30fps at All Resolutions
Maximum User Access	20 Users
ONVIF Conformance	Yes
Web Viewer	Browser: Internet Explorer, Chrome, Firefox, Safari
Video Management	Blackjack, NxMS, Pivot, By ONVIF: Milestone, OnSSI, Exacq
Memory Slot	Up to 32GB Micro SDHC Card Not Included*
ENVIRONMENTAL	
IP Rating	IP66 (Weatherproof)
Other Certifications	CE, FCC, RoHS

MEGAPIX PTZ (20X) 2.1 Megapixel

DW ip | **ONVIF** | **2 Year warranty**

MPTZ20X (must be purchased with P39PM, P39WM, P39SPM)
MPTZ20XFM

2.1 Megapixel | **Auto Focus Lens** | **20x Optical Zoom** | **PoE** | **Two Way Audio** | **Micro SD / SDHC Card**

- ONVIF Compliant
- 2.1 Megapixels, 30fps at All Resolution
- Triple Codec, Simultaneous Multi Stream
- 1/2.8" CMOS Sensor
- 4.7~94mm Varifocal Auto Iris Lens
- 20X Optical Zoom with Auto Focus
- 12X Digital Zoom
- Auto Day and Night with IR Cut Filter
- Pan 0~360° Endless, 360° Per Second Pan Speed
- Vector Drive Technology (Pan/Tilt Motion in Shortest Path)
- 128 Preset Positions, 4 Patterns, 8 Swings, 8 Groups
- WDR (Wide Dynamic Range)
- 3D-DNR (3D Digital Noise Reduction)
- Two-Way Audio
- Local SDHC Card Remote Backup
- IP66 Certified (Heater and Fan Built-in)
- Power over Ethernet [PoE] & DC12V (Adaptor Required for Heater and Fan Use)

Dimensions (unit : mm)
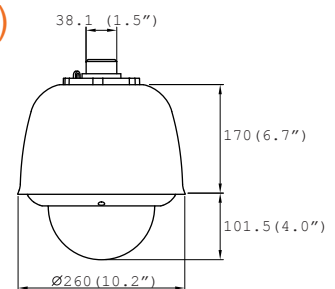
38.1 (1.5")
170 (6.7")
101.5 (4.0")
Ø260 (10.2")

Specifications

IMAGE	
Image Sensor	1/2.8" Sony CMOS Sensor
Total Pixels	2016 (H) X 1108 (V)
Minimum Scene Illumination	F1.6 (30IRE): 0.5 Lux [Color] F1.6 (30IRE): 0.01 Lux [B&W]
LENS	
Focal Length	4.7~94mm, Auto Focus
Digital Zoom / Optical Zoom	12X Digital, 20X Optical
Maximum Aperture Ratio	F1.6~F3.5
AUDIO	
Compression and Sampling Rate	G.711 (8KHz); AAC (48KHz), 1 Line In and 1 Line Out Mono
OPERATIONAL	
Shutter Mode	Auto, Manual
Back Light Compensation	Off, On
Alarm Notifications	Notifications Via E-mail
NETWORK	
Video Compression Type	H.264, MPEG4, MJPEG (Super, Fine, Low)
Resolution	1920X1080 (16:9) ~ 320X240 (4:3) at 30fps
ONVIF Conformance	Yes
Web Viewer	Browser: Internet Explorer, Chrome, Firefox, Safari
Video Management	Blackjack, NxMS, Pivot, By ONVIF: Milestone, OnSSI, Exacq
Memory Slot	Up to 32GB Micro SDHC Card Not Included*
ENVIRONMENTAL	
IP Rating	IP66 (Weatherproof)

MEGAPIX Series Comparison Chart

Model #	Housing	Lens	Vandal	IR	Day/ Night	Optical Zoom	OnVIF	3D-DNR/ WDR	SDHC/ Audio
MPA20M	Armored	4.3mm Fixed	IP66	x	Electronic	x	o	3D-DNR Only	x
MD412D	SnapIt Indoor	3.5~16mm	x	x	Electronic	X4.5	o	o	o
MD421TIR	SnapIt Indoor	3.5~16mm	x	70ft	TDN	X4.5	o	o	o
MV421D	SnapIt Outdoor	3.5~16mm	IP68	x	Electronic	X4.5	o	o	o
MV421TIR	SnapIt Outdoor	3.5~16mm	IP68	70ft	TDN	X4.5	o	o	o
MC421D	Color Box	Lens Sold Separately	x	x	Electronic	x	o	o	o
MB421TIR	Bullet	3.5~16mm	IP66	100ft	TDN	X4.5	o	o	o
MPTZ20X	Pan Tilt Zoom	4.7~94mm	IP66	x	Electronic	X20	o	o	o
MPTZ20XFM	Pan Tilt Zoom	4.7~94mm		x	Electronic	X20	o	o	o

o = Included
x = Not Available

⚙ *IP Megapix Models*

B: Bullet
BL: Ball
C: Color Box
D: Indoor Dome
V: Vandal Dome
A: Armored dome

21 : 2.1MP

IR LED

Digital Watchdog Camera

| DWC | — | M | V | 4 | 21 | D | IR | 650 |

Megapixel

Housing Type
4: SnapIt

D : Electronic D/N
T : True D/N

650: Optional
6~50mm Lense

New "**SNAP IT**" Camera Series Technology

Our new simple to install housing series combined with our reliable camera technology gives you a high quality camera in just a few minutes. All Snapit housings include both a built-in UTP and RS-485. Our Snapit vandal dome cameras also have a built-in junction box and is IP68 certified. Submerse the camera in water, and it will still work properly!