DIGITAL WATCHDOG®
Complete Surveillance Solutions

MEGAPIX®

2.1 Megapixel Box Camera as a System
DWCA-C12C

DWCA-C12C

CAAS™
CAMERA AS A SYSTEM

2.1 Megapixel | CS MOUNT | TRUE DAY / NIGHT | HYBRID SIGNAL DIGITAL / ANALOG | NETWORK FAILOVER REDUNDANCY | DUAL SDXC CARD SLOT

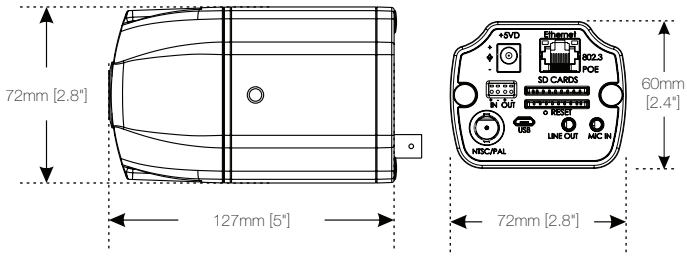
Summary

DW's new MEGApix® CaaS™ camera is a multi-hybrid camera that functions both as a camera and recorder, as well as providing simultaneous digital and IP signal outputs, eliminating the need for a dedicated server. The cameras offer real time live and recording capabilities (30fps) at 1080P resolution and a CS Mount Lens option along with features such as Digital Wide Dynamic Range, True Day & Night, Backlight Compensation, 3D Digital Noise Reduction and Auto Exposure. The camera supports dual SD card interface, for up to 512GB of local storage, 16x times more data is recorded locally than other leading edge cameras. The MEGApix® CaaS™ camera is simple to install, maintain and adjust to any application.

Features

- 1/3" 2.1 Megapixel CMOS image sensor (1080P, 30fps)
- Digital Wide Dynamic Range (DWDR)
- Simultaneous Full Time Analog Output and IP Digital Multi-Streaming
- DW Spectrum™ VMS Edge Storage and Management
- Web Server Built-in
- 3D Digital Noise Reduction (DNR)
- Network Fail-Over and Redundancy
- Dual On-board SDXC Card Slots (up to 512GB) [Not Included]
- True Day/Night with Mechanical IR Cut Filter
- Auto Gain Control (AGC)
- Backlight Compensation (BLC)
- Auto White Balance (AWB)
- Motion Detection
- Two-Way Audio with Microphone Built-in
- Alarm Sensor Input
- Relay Output
- Remote IR Configuration Interface
- Power over Ethernet (PoE) & DC5V
- Compatible with CS Mount Lens
- ONVIF Compliant, Profile S
- Dual Codecs (H.264, MJPEG) with Simultaneous Multi-Stream

Dimensions (unit : mm [inch])



Specifications

ONVIF

IMAGE	
Image Sensor	1/3" 2.1 Megapixel CMOS Image Sensor
Total Pixels	1920 (H) x 1080 (V)
Minimum Scene Illumination	F1.4 (30IRE): 0.05 Lux [Color]
	F1.4 (30IRE): 0.001 Lux [B&W]
AUDIO	
Compression and Sampling Rate	PCM 8k (48kHz 16bit), G.711 8k (48kHz)
Input / Output	1 Line In and 1 Line Out Mono, Microphone Built-In
OPERATIONAL	
Brightness	-255 ~ 255 (Default Value: 0)
Shutter Mode	1/30sec ~ 1/60000sec, 1/25sec ~ 1/60000sec
Anti-Flickering	50Hz, 60Hz, Advanced Exposure Settings (Default: 60Hz)
DNR (Active Noise Filter)	Off / Low / Medium / High
Auto Gain Control	26dB ~ 64dB (Default Value: 36dB)
BLC (Backlight Compensation)	On, Off (Default Value: Off)
Digital WDR (Wide Dynamic Range)	Auto, Off (Default Value: Auto)
Day and Night	Auto, Day, Night
Hue	-15 ~ 15 (Default Value: 0)
Saturation	0 ~ 255 (Default Value: 64)
Sharpness	0 ~ 255 (Default Value: 128)
Mirror & Flip	Yes
Motion Detection	4 Motion Detection Zones Setup Separately
Sensor In / Out	1 Input / 1 Output Built-In
NETWORK	
LAN	802.3 Compliance 10/100baseT LAN
Video Compression Type	H.264, MJPEG
Resolution	1920 x 1080 ~ 160 x 90
Frame Rate	30fps at 1080P Resolution
Streaming Capability	Dual-Stream at Different Rates and Resolutions
IP	IPv4, IPv6
Protocol	TCP/IP, HTTP, HTTPS, DHCP, RTSP, UDP, FTP, NFS, SAMBA
Maximum User Access	8 Simultaneous Users
ONVIF Conformance	Yes
Web Viewer	OS: MAC OS X / Windows 7 & 8
	Browser: Google Chrome, Mozilla Firefox, Safari & IE (Limited)
Video Management Software	DW Spectrum Edge
Memory Slot	Dual Onboard SDXC Card Slots (up to 512GB), Card Not Included*
ENVIRONMENTAL	
Operating Temperature / Humidity	0°C ~ 50°C (32°F ~ 122°F)
Operating Humidity	Less than 90% (Non-Condensing)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Other Certifications	CE, FCC, RoHS
ELECTRICAL	
Power Requirement	DC +5V, PoE (IEEE802.3af Class 2)
Power Consumption	3W, 600mA
MECHANICAL	
Material	Aluminum Housing
Dimensions	127 x 72 x 60 mm (5.0 x 2.8 x 2.4 inch)
Weight	0.607 lbs

*Specifications subject to change without notice.

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