

# DM3112 Full HD IR Mini Dome



- Full HD 1080p
- SONY CMOS sensor
- Smart IR 20m
- Corridor mode
- ROI
- IK08 vandal-proof
- IP66 with optional outdoor kit



The DM3112 is an outdoor ready IR Mini Dome Camera, featuring 1080p Full HD resolution with video image of 1920x1080 at 30 fps. This 2 megapixel camera has a 1/2.8" SONY CMOS sensor, can deliver higher video performance.

As a true day and night camera, the CHAMP DM3112 has a automatic removable IR-cut filter and 10m Smart IR illuminators, can solve the problem of infrared LEDs whiting out images. Besides, DM3112 has Corridor Format and ROI technology that allow camera to maximize video surveillance in narrow vertical situations and to decrease non-ROI's image quality to save on maximum bandwidth and storage.

Coupled with its small size, 3-axis mounting mechanism, IK08 vandal-proof and IP66 optional outdoor ready kit, DM3112 is designed to be mounted on walls or ceilings, indoor or outdoor.

Compatible with CHAMP's free NVR software, free mobile video management app and plug-and-play cloud solution, users can easily setup a surveillance system from mobile devices, PC or laptop without any extra cost.



## Features

- Full HD 1080p
- 1/2.8" SONY Exmor CMOS sensor
- H.264 and Motion JPEG compression
- 30 fps at 1920 x 1080
- 2.8mm, F1.8 megapixel fixed lens
- True day & night with automatic removable IR-cut filter
- Smart IR 20m
- Corridor mode
- ROI(region of interested)
- Two-way audio and built-in microphone
- Tampering detection
- 1 x alarm input, 1 x alarm output
- Edge storage
- -10°C low temperature
- IK08 vandal-proof
- IP66 weatherproof
- Screw-less 3-axis angle adjustment for easy installation on wall or ceiling
- SSL v3 advanced HTTPS encryption
- Supports Samba network storage
- Multi-lingual user interface
- ONVIF 2.4 and Profile S compliant
- Free 32-channel NVR software

## Smart IR, Corridor Mode, ROI



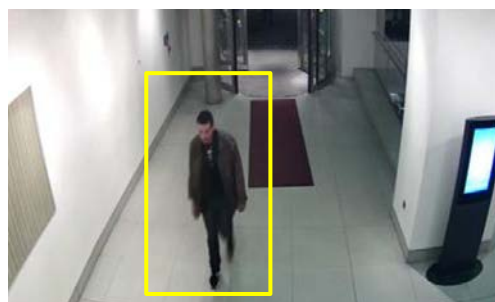
Smart IR OFF



Smart IR ON



Corridor Mode



ROI(region of interested)  
Save streaming by allocating more bandwidth on the important monitoring area.

## Applications



1. Retail
2. Office
3. Public Area

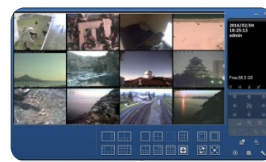
## IP Surveillance Solutions

### • Free 32ch NVR Software

The most professional NVR software you can get for free!

- Support up to 32 channels
- Up to 32 channels remote live view
- Remote playback 4 channels
- Multi-site / multi-server
- Transcoding (record high quality, transcode to different resolution/ frame rate for remote client to save bandwidth)
- iOS/ Android mobile client (multi-channel live view | playback | PTZ & I/O control)
- E-maps (up to 4 layers | unlimited number of maps | video preview)
- Dual monitor
- ePTZ
- Multi-lingual user interface

\*32ch free license for CHAMP cameras, but need to activate license for other brand



### • ONVIF

All IP cameras are ONVIF 2.x & Profile S compliant, and continuously upgraded to comply with the latest versions



# Technical Specifications

Camera	
<b>Model</b>	DM3112 Full HD IR Mini Dome
<b>Image sensor</b>	1/2.8" megapixel CMOS sensor
<b>Lens</b>	F2.0, 2.8mm
<b>Angle of view</b>	96° horizontal
<b>Digital zoom</b>	10x digital
<b>Min illumination</b>	0.05 lux @ F1.8(color) 0.005 lux (b/w) 0 lux (IR LED on)
<b>IR working distance</b>	20m effective range
<b>IR LEDs</b>	High performance IR LED x 8(850nm) 5φ x 4 pcs (850nm)
<b>Day/Night function</b>	Mechanical IR cut filter
<b>Pan</b>	345°
<b>Tilt</b>	67°
<b>Rotate Video</b>	345°

Video	
<b>Video compression</b>	Motion JPEG H.264 baseline/main profile/high profile
<b>Resolutions</b>	Motion JPEG/ H.264: 2 profiles from 1920 x 1080 to 320 x 240 2 profiles from 640 x 480 to 320 x 240
<b>Frame rate</b>	Motion JPEG: up to 30 fps at 1920 x 1080 H.264: up to 30 fps at 1920 x 1080  Simultaneous Motion JPEG and H.264 (5 streams) Controllable frame rate and bandwidth Support unicast (Real Time Streaming Protocol)
<b>Image settings</b>	Brightness, contrast, saturation WDR enhanced  Rotation: mirror, flip, mirror flip  Overlay capabilities: Time stamp, Title, Title & Time stamp Privacy mask

Audio	
<b>Audio streaming</b>	Two-way (full duplex)
<b>Audio compression</b>	G.711 μ law, a law, AMR
<b>Audio input/output</b>	
<b>Built-in microphone, line input and line output</b>	Built-in microphone, line input and line output

Network	
<b>Security</b>	Multiple user access levels with password protection, HTTPS encryption  Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP
<b>Users</b>	5 simultaneous users

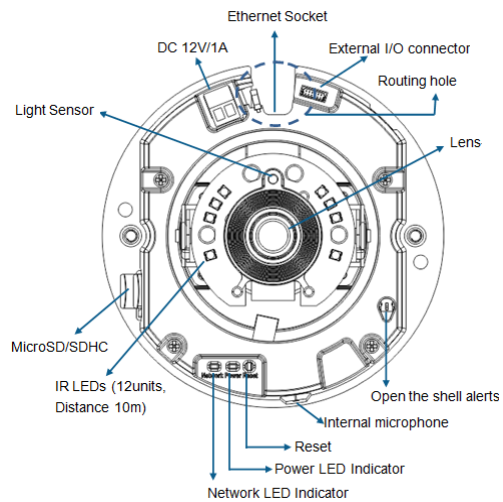
Alarm and Event Support	
<b>Alarm input</b>	Alarm input 12V DC
<b>Alarm and event management</b>	Input: alarm buffer, motion detection Output: network storage, FTP, SMTP, pre-and post alarm buffer

System	
<b>Local storage</b>	MicroSD card slot ONVIF 2.4 & Profile S
<b>System</b>	RJ-45 Ethernet 10/ 100 Base-T(PoE) Reset button 2pin terminal block for DC power 6pin cable for 1 alarm input, 1 output, 1 audio line in, 1 audio line out

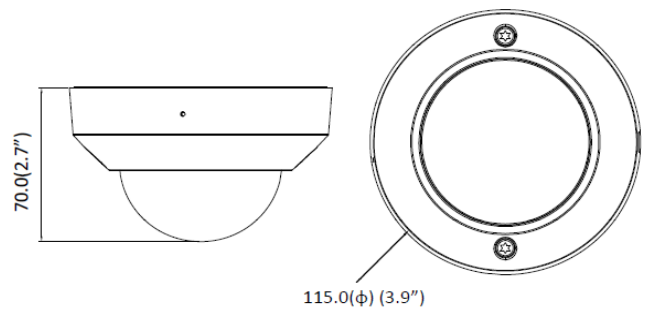
General	
<b>Casing</b>	IK08 vandal proof aluminum casing
<b>Housing</b>	IP66 rated weatherproof (option)
<b>Power</b>	12V DC or PoE IEEE 802.3af class 1 Power consumption: Max. 6.1W PoE Power consumption: Max 5.14W
<b>Operating conditions</b>	-10 ~ 60 °C (14 ~ 140 °F)
<b>Installation, management, and maintenance</b>	camera management tool on CD and web-based configuration. Configuration of backup and restore firmware upgrades over HTTP.
<b>Minimum web browsing requirement</b>	Pentium 4 2.8GHz (or equivalent AMD) 256MB RAM graphic cards (or equivalent on-board graphic cards) 1G RAM Windows XP, Vista or Windows 7 Mac OS Leopard 10.5 or later
<b>Dimensions (HxWxD)</b>	φ115 x 70mm (3.9" x 2.7") φ115 x 103.7mm (3.9" x4.14.7") junction box is included
<b>Weight</b>	300g (0.66lb) excl. power supply
<b>Included accessories</b>	Quick installation guide, mounting and connector kits Download on website (Camera Installation Tool, Video Management Tool, User Manuals, Camera LanguagePacks)
<b>Certification</b>	CE, FCC, RoHS

Integration software	
<b>software</b>	For viewing, recording and archiving up to 32 ch cameras

## Part Names and Functions



## Dimensions



Unit: mm (inches)



B1, No.207-1, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231, Taiwan | [www.champsolution.com](http://www.champsolution.com)

Tel : +886-2-7739-2260 | Fax : +886-2-7703-3377 | Mail : [inquiry@champsolution.com](mailto:inquiry@champsolution.com)

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