

# CHAMP DM7302 2MP Motorized P-iris Outdoor



- H.265, 50% lower bitrate
- 1080p60 + WDR Extreme
- Motorized lens + P-iris
- Adaptive IR 40m
- -50°C Low Temperature



The all new CHAMP DM7302 dome camera has it all. Latest H.265 compression to cut bandwidth and storage requirements in half. Class-leading WDR to handle the most challenging lighting conditions. Superior low-light sensitivity that still sees when you don't. Adaptive IR Pro that not only automatically adjusts the power of the IR illuminators, but also it's angle, to fit the view angle of the motorized lens, which can be easily focused by the Smart Focus function, remotely of course. Built-in fan and heater allow the camera to operate in the most extreme environments (-50°C to 60°C).

The DM7302 can be used in all kinds of applications, ranging from traffic, airports to public area surveillance and extreme applications. Compatible with CHAMP professional NVR software for free bundled can support up to 32 IP cameras and plug-and-play cloud solution, you can easily setup a surveillance system from mobile devices, PC or laptop without any extra cost.



### Related models

Model Name	DM7302	DM5302
Feature	Outdoor Vandalproof	Outdoor Vandalproof
	Full HD 1080p, H.265	Full HD 1080p, H.264
	WDR extreme	-
	-	-
	Motorized + P-iris	Motorized + P-iris
	Adaptive IR 20m	Adaptive IR 20m
	-50 ~ 60°C	-50 ~ 60°C

## Features

- 60 fps @ 1080p
- H.265 saving 50% bandwidth
- Motorized 2.8-12 mm, F1.6, P-iris, Smart focus
- Adaptive IR 40m
- WDR extreme
- Starlight
- Smart feature: Adaptive IR, Corridor Mode, ROI
- Defog
- RS-485 supports pan/ tilt motors
- Two-way audio, line in and line out
- 1 x alarm input, 1 x alarm output
- Edge storage
- -50°C low temperature
- IK10 vandal-proof
- IP67 weatherproof
- Screwless 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

## WDR Extreme



WDR off



WDR on

## Applications



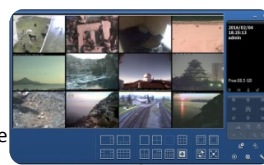
1. City Surveillance
2. Industrial

## IP Surveillance Solutions

### • Free 32ch NVR Software

The most professional NVR software you can get for free!

- Support up to 32 channels
- 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



### • 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>	DM7302 2MP Motorized P-iris Outdoor Dome
<b>Image sensor</b>	1/3" megapixel CMOS sensor
<b>Lens</b>	F1.6, 2.8 - 12 mm motorized, P-iris lens
<b>Angle of view</b>	33° - 104° horizontal
<b>Min illumination</b>	0.001 lux @ F1.6 (color) 0.0001 lux (B/W) 0 lux (IR LED on)
<b>IR working distance</b>	40m effective range Adaptive IR, adjustable brightness via FW
<b>IR LEDs</b>	High performance IR LED x 16(850nm)
<b>Day/Night function</b>	Mechanical IR cut filter
<b>Dynamic range</b>	120dB

## Video

<b>Video compression</b>	Motion JPEG H.264 baseline/ main profile/ high profile H.265
<b>Resolutions</b>	Motion JPEG/ H.264/ H.265: 5 resolutions from 1920 x 1080 to 320 x 240 3 resolutions from 640 x 480 to 320 x 240 Motion JPEG: up to 30 fps at 1920 x 1080 H.264/ H.265: up to 60 fps at 1920 x 1080
<b>Frame rate</b>	H.264/ H.265: up to 60 fps at 1920 x 1080
<b>Video streaming</b>	Simultaneous Motion JPEG, H.264, H.265 Controllable frame rate and bandwidth Support unicast (Real Time Streaming Protocol)
<b>Image settings</b>	Rotation: mirror, flip, mirror flip WDR Brightness, contrast, saturation, sharpness Overlay capabilities: time, date, text and privacy mask ROI, corridor mode Defog

## Audio

<b>Audio streaming</b>	Two-way (full duplex) Line in/ line out
<b>Audio compression</b>	G.711 $\mu$ law, a law/ G.726/ AMR

## Network

<b>Security</b>	Multiple user access levels with password protection, HTTPS encryption
<b>Supported protocols</b>	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP
<b>Users</b>	10 simultaneous users
<b>Alarm and Event Support</b>	Input: network link down, alarm input, motion detection, periodical Output: network storage, FTP, SMTP, HTTP event, alarm Pre- and post alarm buffer

## System

<b>Local storage</b>	SD/ SDHC/ SDXC card slot
<b>System</b>	RJ-45 for Ethernet 10/100/1000 Base-T (with PoE) 2 pin terminal blocks for DC power Smart Focus control buttons Terminal blocks for alarm input/ alarm output Line in/ line out Reset push button NTSC/ PAL switch RCA connector for analog video output

<b>Power status indicator</b>	Power status indicator
<b>Network link indicator</b>	Network link indicator
<b>SD card status indicator</b>	SD card status indicator

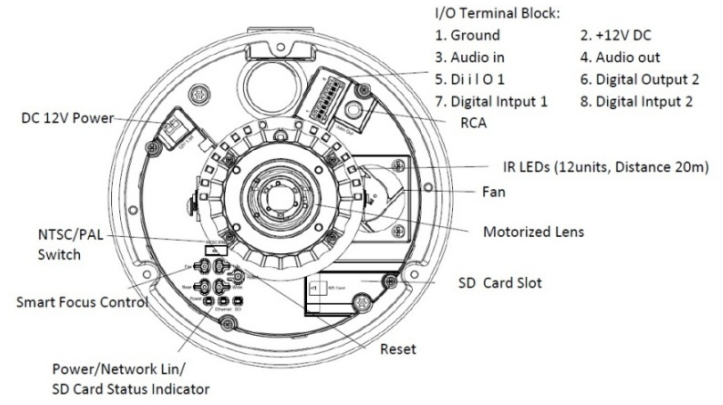
## Software integration

ONVIF 2.4 & Profile S

## General

<b>Casing</b>	Aluminum casing
<b>Housing</b>	IP67 rated weatherproof , IK10 vandal-proof
<b>Power</b>	12V DC, 1A Power consumption: Max 14.7W PoE (Power over Ethernet) built-in IEEE 802.3af/ at(Class 0)
<b>Operating conditions</b>	- 50 ~ 60 °C (-40 ~ 140 °F)
<b>Installation, management, and maintenance</b>	Camera management tool and web-based configuration. Configuration of backup and restore firmware upgrades over HTTP, firmware available at <a href="http://www.champsolution.com">www.champsolution.com</a>
<b>Minimum web browsing requirement</b>	Intel Core i5 CPU @ 2.0GHz (or equivalent AMD) 512MB RAM graphic cards (or equivalent on-board graphic cards) 2GB RAM Windows 7 or later Mac OS Leopard 10.5 or later
<b>Dimensions (HxWxD)</b>	$\phi$ 165 x 125mm (6.50" x 4.92")
<b>Weight</b>	1670g (3.69lb) excl. power supply
<b>Included accessories</b>	Quick installation guide, mounting and connector kits Download from website (Camera Installation Tool, Video Management Tool, User Manuals, Camera LanguagePacks)
<b>Certification</b>	CE, FCC, RoHS

## Part Names and Functions



## Dimensions

