CHAMP BL7305 5MP Motorized P-iris Outdoor Bullet

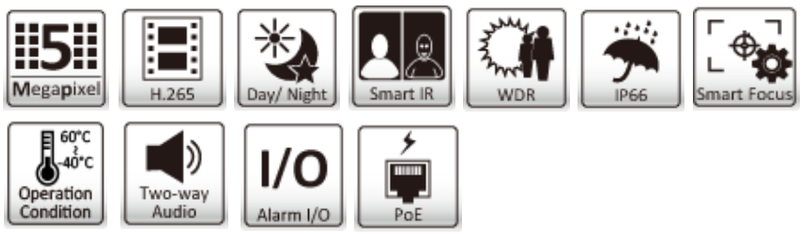
– H.265, 50% lower bitrate

– 2560 x 1920 @ 30fps

– Motorized lens + P-iris

– Adaptive IR 40m

– -40°C Low Temperature



The all new CHAMP BL7305 camera has it all. Latest H.265 compression to cut bandwidth and storage requirements in half. 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 (-40°C to 60°C).
The BL7305 can be used in all kinds of applications, ranging from traffic, airports to public area surveillance and extreme applications. Compatible with CHAMP NVR Software, the most 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	BL7302	BL5302	BL7305
Feature	Outdoor Vandalproof	Outdoor Vandalproof	Outdoor Vandalproof
	Full HD 1080p, H.265	Full HD 1080p, H.264	5MP, H.264
	WDR extreme	-	-
	Motorized + P-iris	Motorized + P-iris	Motorized + P-iris
	Adaptive IR 40m	Adaptive IR 40m	Adaptive IR 40m
	-40 ~ 60℃	-40 ~ 60℃	-40 ~ 60℃

Features

- 30 fps @ 2560 x 1920, 60fps @ 1920 X 1080
- H.265 saving 50% bandwidth
- Motorized 3.6 - 10 mm, F1.5, P-iris, Smart focus
- Adaptive IR 40m
- WDR extreme
- 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
- -40℃ low tamperature
- IP66 weatherproof
- SSL v3 advanced HTTPS encryption
- Supports Samba network storage
- Multi-lingual user interface
- ONVIF 2.4 and Profile S compliant
- Free 32-channel CHAMP NVR software

WDR Extreme

WDR off

WDR on

Applications

1. City Surveillance
2. Industrial

IP Surveillance Solutions

・Free 64ch 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

ONVIF
Driving network video through global standardization

Technical Specifications

Camera

Model	BL7305 5MP Motorized P-iris Outdoor Bullet
Image sensor	1/1.8" megapixel CMOS sensor
Lens	F1.5, 3.6 - 10 mm motorized, P-iris lens
Angle of view	38° - 80° horizontal
Min illumination	0.05 lux @ F1.5 (color) 0.001 lux (B/W) 0 lux (IR LED on)
IR working distance	40m effective range Adaptive IR, adjustable brightness via FW
IR LEDs	6pcs (850nm)
Day/Night function	Mechanical IR cut filter

Video

Video compression	H.264 baseline/ main profile/ high profile H.265
Resolutions	1. 5MP Mode 2 profiles with 6 resolution from 2560 x 1920 to 640 x 360 2 profiles with 2 resolution from 640 x 480 to 640 x 360 2. 2MP Mode 2 profiles with 4 resolution from 1080 x 720 to 640 x 360 2 profiles with 2 resolution from 640 x 480 to 640 x 360
Frame rate	H.264/ H.265: up to 60 fps at 2MP Mode, 30 fps at 5MP Mod
Video streaming	Simultaneous Motion JPEG, H.264, H.265 Controllable frame rate and bandwidth Support unicast (Real Time Streaming Protocol)
Image settings	Rotation: mirror, flip, mirror flip WDR Brightness, contrast, saturation, sharpness Overlay capabilities: time, date, text and privacy Image ROI, corridor mode Defog

Audio

Audio streaming	Two-way (full duplex) Line in/ line out
Audio compression	G.711 μ law, a law/ G.726/ AMR

Network

Security	Multiple user access levels with password protection, HTTPS encryption
Supported protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP
Users	10 simultaneous users

Alarm and Event Support

Alarm and event management	Input: network link down, alarm input, motion detection, periodical, audio detection Output: network storage, FTP, SMTP, HTTP event, alarm out, HTTP server Pre-and post alarm buffer

System

	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
Local storage	SD/ SDHC/ SDXC card slot
	Power status indicator Network link indicator SD card status indicator
Software integration	ONVIF 2.4 & Profile S

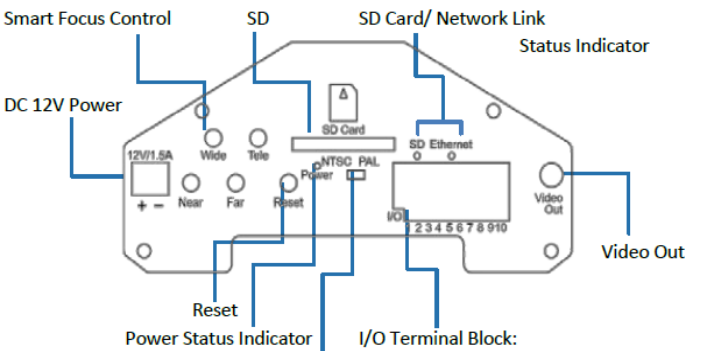
General

Casing	Aluminum casing
Housing	IP66 rated weatherproof housing
Power	12V DC, 2A Power consumption: Max 19.5W PoE (Power over Ethernet) built-in IEEE 802.3af/ at(Class 0)
Operating conditions	-50 ~ 60 ℃ (-58 ~ 140 ℉)
Installation, management, and maintenance	camera management tool on CD and web-based configuration. Configuration of backup and restore firmware upgrades over HTTP, firmware available at www.champsolution.com
Dimensions (HxWxD)	383 x 152 x (15.1" x 6.0" x 9.6")
Weight	2170g (4.78lb) excl. power supply
Included accessories	Quick installation guide, mounting and connector kits
Certification	CE, FCC, RoHS

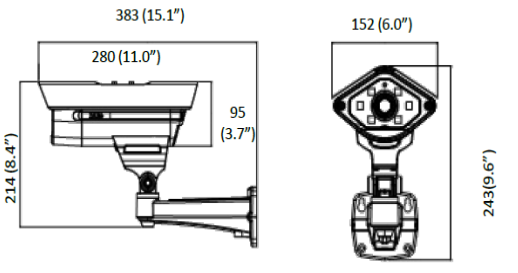
Integration

Video management software	CHAMP software, for viewing, recording and archiving up to 32 cameras

Part Names and Functions



Dimensions



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