

# WV-S3512LM

720p On-board Compact Dome Network Camera

## iA (intelligent Auto) H.265 Compact Dome Camera

The WV-S3512LM is a compact & simple design multifunction camera that achieves high visibility even under extreme conditions and can be placed in a small space without damaging the landscape.



- HD 720p up to 60fps
- iA (intelligent Auto)
- Extreme Super Dynamic 134dB
- Color night vision (0.0013 to 0.02 lx)
- H.265 Smart Coding
- Built-in IR LED
- Corridor mode (90 degrees or 270 degrees in image rotation)
- i-VMD License Bundled
- NDAA Compliant



# SPECIFICATIONS

Camera	
Image Sensor	Approx. 1/3 type CMOS image sensor
Minimum Illumination	Color : 0.02 lx, BW : 0.01 lx (F2.3, Maximum shutter : Off (1/30s), AGC : 11) BW : 0 lx (F2.3, Maximum shutter : Off (1/30 s), AGC : 11, when the IR LED is lit) Color : 0.0013 lx, BW : 0.0007 lx (F2.3, Maximum shutter : max. 16/30s, AGC : 11)
White Balance	AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)
Maximum shutter	Max. 1/10000 s to Max. 16/30 s
Intelligent Auto	On / Off
Super Dynamic	On / Off, The level can be set in the range of 0 to 31.
Dynamic Range	Max.134 dB typ. (Super Dynamic : On)
Adaptive Black Stretch	The level can be set in the range of 0 to 255.
Back light compensation / High light compensation	BLC (Back light compensation) / HLC (High light compensation) / Off (only when Super dynamic / Intelligent Auto : Off)
Fog Compensation	On / Off (only when Intelligent auto / auto contrast adjust : Off)
Maximum gain	The level can be set in the range of 0 to 11.
Color/BW (ICR)	Off / On (IR Light Off) / On (IR Light On) / Auto1 (IR Light Off) / Auto2 (IR Light On) / Auto3 (SCC)
IR LED Light	High / Middle / Low / Off, Maximum irradiation distance : 15 m {Approx. 49 ft}
Digital Noise Reduction	The level can be set in the range of 0 to 255.
Video Motion Detection	On / Off, 4 areas available
Intelligent VMD (i-VMD)	Type 4 *Bundled License
Privacy Zone	On / Off, Up to 8 zones available
Image rotation	0 ° / 90 ° / 180 °(Upside-down) / 270 °
Mirror	On / Off
Camera Title (OSD)	Up to 20 characters (alphanumeric characters, marks), On / Off
Lens	
Zoom ratio	1 x Optical
Digital (electronic) zoom	Choose from 3 levels of x1, x2, x4
Focal Length	2.8 mm {1/8 inches}
Angular Field of View	[16 : 9 mode] Horizontal : 97° Vertical : 54° [4 : 3 mode] Horizontal : 97° Vertical : 72°

Maximum Aperture Ratio	1 : 2.3
Focus range	0.5 m {19-11/16 inches} – ∞

### Adjusting Angle

Adjusting Angle	Horizontal (PAN) angle : ±45°, Vertical (TILT) angle : 0 to +90°, Azimuth (YAW) angle : ±90°
-----------------	--

### Browser GUI

Camera Control	Brightness
GUI/Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese

### Network

Network IF	10Base-T / 100Base-TX, M12 connector
Resolution H.265/ H.264 JPEG (MJPEG)	•1.3 mega pixel [16 : 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 •1.3 mega pixel [4 : 3] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240
H.265/ H.264	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast / Multicast
JPEG	[Image Quality] 10 steps
Smart Coding	GOP(Group of pictures) control [When H.264 is selected] On(Mid) / On(Low) / Off [When H.265 is selected] On(Frame rate control) / On(Advanced) / On(Mid) / On(Low) / Off Smart Facial Coding* Off / On(AUTO VIQS) / On(Smart Facial Coding) *Smart Facial Coding is only available with Stream(1).
Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps G.711 : 64 kbps AAC-LC : 64 kbps / 96 kbps / 128 kbps
Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, SSL/TLS, SRTP, SFTP, MQTT, LLDP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SSL/TLS, SRTP, SFTP, MQTT, LLDP
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
microSDXC/microSDHC/ microSD Memory Card	H.265 / H.264 recording : Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure JPEG recording : Manual REC / Alarm REC (Pre/Post) / Backup upon network failure Compatible microSDXC/microSDHC/microSD Memory Card : Panasonic 2 GB, 4 GB*, 8 GB*, 32 GB*, 64 GB**model *microSDHC card, **microSDXC card
Mobile Terminal Compatibility	iPad, iPhone, Android™ terminals
ONVIF® Profile	G / S / T

### Alarm

Alarm Source	VMD alarm, Command alarm, Audio detection alarm
Alarm Actions	microSDXC/microSDHC/microSD memory recording, E-mail notification, HTTP alarm notification Indication on browser, FTP image transfer, TCP alarm notification output

Input/Output	
Built-in microphone	Nondirectional electret condenser microphone
General	
Safety	UL (UL60950-1 2Ed), c-UL (CAN/CSA C22. NO.60950-1-07), CE, IEC60950-1 EN45545 compliant, NFPA130
EMC	FCC (Part15 Subpart B, ClassA, SDoC), ICES-003 ClassA, EN55032 ClassB, EN55035, ECE-R10, EN50498, EN50121
Power Source and Power Consumption	PoE (IEEE802.3af compliant, alternative A) Device : DC48 V 80 mA, Approx. 3.8 W (Class 2 device)
Ambient Operating Temperature	-40 °C to +60 °C (-40 °F to 140 °F)*12 {Power On range : -20 °C to +60 °C (-4 °F to +140 °F)}
Ambient Operating Humidity	10 to 100 % (no condensation)
Water and Dust Resistance	IP66 (IEC60529), Type 4X(UL50), NEMA 4X compliant
Shock Resistance	IK10 (IEC 62262)
Wind Resistance	Up to 40 m/s {approx. 89 mph}
Railway Application	EN50155 : 2017 Class OT2/ST2 (EN 50155 : 2007 Class TX), IEC62236-3-2
Dimensions	ø109 mm x 53 mm (H) {ø4-9/32 inches x 2-3/32 inches (H)} Dome radius 27 mm {1-1/16 inches}
Mass (Approx.)	Approx. 410 g {0.91 lbs}
Finish	Main body : Aluminum die cast, Light gray Dome section : Polycarbonate resin, Clear

## NOTES

### Important

- Safety Precautions : Carefully read the Basic Information, Installation Guide and Operating Instructions before using this product.
- i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
- Masses and dimensions are approximate. Specifications are subject to change without notice.

### Trademarks and registered trademarks

- iPad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries. - Android is a trademark of Google LLC.
- ONVIF is a trademark of ONVIF, Inc.
- All other trademarks identified herein are the property of their respective owners

©i-PRO Co., Ltd All rights reserved / November 2022

## OPTIONAL ACCESSORIES

Select a compatible accessory

[Accessory Selector \(i-pro.com\)](http://i-pro.com).



WV-QWL500-G  
Mount Bracket



WV-QJB500-G  
Mount Bracket



WV-QCL100-W  
Mount Bracket



WV-Q183  
Mount Bracket



WV-Q182  
Mount Bracket



WV-CW6SA  
Dome Cover

# APPEARANCE

No.	Part Name	Material	Process/Remark
1	ADK- Upper cover	Aluminium die cast	Coating (Light Gray) + Printing
2	WV-S3512LM- Camera unit		
3	UZF- Lens		
4	UZF-FIXING- Enclosure fixing screw	Stainless Steel	L=15mm
5	UZF-FIXING- Enclosure fixing screw	Stainless Steel	L=20.5mm
6	F-ADK- Base cover	PC	Clear
7	THF- Lower cover	Aluminium die cast	Coating (Light Gray)
8	UZF-FIXING- Lens cover	PC/PS/ABS	Black
9	WV-S3512LM- Lens unit		
10	WV-S3512LM- Microphone sponge	PORON	
11	IR LED/FIXING- IR LED cover	PC+ABS	Black
12	MS- Light-blocking rubber ring	Silicone rubber	Black
13	WV-S3512LM- IR LED	IR LED	
14	TILT/FIXING- TILT/YAW fixing screw	Steel	
15	UZF-FIXING- Inner cover	ABS	Black
16	MS- Built-in microphone	Silicone rubber	Black
17	MS- Waterproof rubber	Silicone rubber	Black
18	MS- Waterproof rubber	Silicone rubber	Light Gray
19	microSD slot		
20	INITIAL SET/ACT/ LINK	INITIAL SET button	
21	LINK indicator		
22	ACT indicator		
23	SD indicator		
24	DATA Matrix label	Polyester Film	Printing
25	WV-S3512LM- M2 (Lens) Network cable		
26	HOME Plate	Polyester Film	Printing
27	Serial No. label	Polyester Film	Printing
28	Code label	Polyester Film	Printing
29	Template		
30	MS- Light-blocking sheet	PC sheet	Black
31	MS- Caution label	Polyester Film	Printing
32	MS- Caution label	Polyester Film	Printing

MS- Protected area	
MS- Part 1 area	0.005x2
MS- Part 2 area	0.004x2

**TEMPLATE**  
WV-S3512LM