TOPES

Keep the Smile

Since 1984

"Keep the Smile – TOPES"

VISION 2013

ISO 9001 / ISO 14001

TOPES Corporate Identity

TOPES Brand Identity

TOPCAM
IMAGEPRO
TOPES

Traffic information system

Vehicle Detection System / Automatic Vehicle Identification System /
Automatic Incident Detection System / CCTV for Traffic Information System

Vehicle Enforcement System

Mobile / Speed Violation / Overload / Red/Light /
Point to Point Speed Enforcement System / Illegal Parking Enforcement System

Security System

Crime Prevention & Prevalence / Transport Safety

CCTV System

I-TV / Full HD CCTV / Accessary

Image Contents

Image Server / Music Server

LED Light System

Outdoor Lighting / Security Lighting

S/W

SI S/W Development

Business Area

Traffic Information System

Vehicle Detection System

IMAGEPRO·1000

This system sends traffic information and real time situations to cope with the change in traffic environment and for smooth traffic flows on the roads

Main Features

- Detection method: auto detection by image
- Provide traffic information: traffic volumes, speed, occupation rate, vehicle length, accidents, moving image
- Accuracy of average speed: Over 97%
- Accuracy of average traffic volume: Over 97%
- Transfer of status information by RTU
- Number of lanes for detection: 5 lane Per Camera, Max 10 Lane(1 Area)

Traffic information gathering

Traffic information processing

Display of traffic information

Automatic Vehicle Identification System

IMAGEPRO·2000

It is a traffic information collection system for the travel time prediction based on the calculation of travel time and travel speed, using the way of license plate recognition in the sections of the road.

Main Features

- Detection method: auto detection by image, Loop, Laser
- Detection method: auto identification of vehicle number
- Identification rate: Over 90%
- Measurement speed: 10km/h ~ 250km/h
- Information : provides the traffic information in the sections of the road
- Light : IR Light Panel(LED)

Traffic information gathering

identification of passing vehicle

Transfer of traffic information

Automatic Incident Detection System

IMAGEPRO·3000

By transmitting the incident detection to the traffic information center, it may help prevent the recurrence of accidents in loss of life and property

Main Features

- Detection method: auto detection by image
- Available information: driving toward oncoming traffic, vehicle of accident, parking and stopping, fire information
- Number of image input: 6 channel of camera (Up to 8 channels)
- Number of detected lanes: 2 lanes for each 1 camera channel(Up to 16 lanes)

Monitoring the internal traffic of the tunnel

Tunnel Traffic Management System(TTMS)

Provide information

CCTV for Traffic Information System

IMAGEPRO·4000

This system accurately and promptly recognizes the traffic situation of ordinary national roads, highway roads and main intersections of the city

Main Features

- Transmission : H.264
- Resolution : NTSC Analog, Digital HD, Full HD
- Function : Environmental monitoring, ID on the specific direction, Route information, Control of Pan Tilt, Lens Control

Local CCTV

Wide-area traffic control center

Local traffic control center

Crime Prevention & Prevalence

IMAGEPRO · 5000

The system is an intelligent surveillance equipment used in preventing the crimes and arresting the criminals in the way of automatic monitoring all the movement of people and vehicles on a closed -circuit TV and gathering videos on them

Main Features

- Application : school zone, life security, illegal trash dumping enforcement
- Detection : automatic video tracking method
- Resolution : HD, Full HD, SD, D1
- Information : vehicle's identification number, image and video, face recognition
- Option : warning announcement, two-way communications, information for VMS

Crime Prevention Center

Track and identify vehicle and objects

View, Operation

Transport Safety

IMAGEPRO · 6000

This system tracks and arrests the movement passage of criminals by identifying vehicle number, drivers and cargos with camera installed on the roads

Main Features

- Detection method: image, loop, Laser, radar
- Provide information: vehicle numbers, operators, loaded images, moving images
- Controller: cover 4 lanes
- Light : IR Light Panel(LED)
- Recognition rate : 90% and above
- Detection speed : 10km/h~250km/h

Detection of passing

Detection of passing vehicle (daytime)

View, Operation

Intelligent Protection Area Safety Improvement CCTV System

IMAGEPRO · 7000

The system provides the public with the information for the safe pedestrian environment by analyzing the video captured in the traffic accident black spot around the crosswalk and stop line

Main Features

- Detection Method : Video Detection(Pedestrian, Traffic signal, Vehicle)
- Information Service: Event for 10 Seconds off and on
- Broadcastion : Broadcasting guidance for Pedestrian
- Image : HD, Full HD, D1 Class Image
- Application : Cross Walk In the School Zone, Cross Walk in Accident Block Spot

Image data Serach
10 Seconds Off and On

Traffic Safety Improvement
CCTV System

Living Safety Improvement
CCTV System

Mobile Enforcement System

TOPCAM·1000

This system immediately displays the information of violation and photographs taken with equipment that controls the image of vehicle violating the speed limit using Laser Sensor, or temporarily saves them and issues the written notice to the violator

Main Features

- Detection method: Laser
- Identification method: auto identification of vehicle number
- Identification rate: Over 90%
- Measurement speed: 10km/h ~ 250km/h
- Error rate of measurement speed: Less than ±2%
- Enforcement distance: 3 m ~ 200m

Over-speed vehicle enforcement

Save einforcement information

Head Unit & Controller

Night Illuminator (Wireless system)

Tripod

TOPCAM Vehicle Enforcement System

Speed Enforcement System

TOPCAM·2000

This system takes the image of vehicle violating the speed limit using the Loop Sensor, sends the image to the central processing system and automatically issues the written notice to the violator

Main Features

- Detection method: auto detection by loop
- Identification method: auto identification of vehicle number
- Identification number: Over 90%
- Measurement speed: 10km/h~ 250km/h
- Error rate of measurement speed: Less than ±5%
- Detection speed: 1 lane (Up to 2 lanes)

control violating vehicle

Send information of violating vehicle

View, Operation

Red Light Enforcement System

TOPCAM·2001

By connecting the technology of real time tracking the movements of vehicle of existing speed violation enforcement system, this system can control speed violation and passage method violation at intersection, violation of lane and violation of signals at the same time with installation at the intersections with multiple accidents, pedestrian walk of national road, in front of school and village, and can contribute to analysis of accidents by 8 assistant images if a traffic accident occurs due to Red Light

Main Features

- Detection method : auto detection by Loop
- Identification method : auto identification of vehicle number, tracking of violating vehicle by image processing
- Identification number: Over 90%
- Measurement speed : 10km/h~ 250km/h
- Error rate of measurement speed : Less than ±5%
- Image agreement : 100%
- Detection speed : 1 lane (Up to 3 lanes)

Images from the subsidiary camera : Factors to distinguish the red light violation

Point to Point Speed Enforcement System

TOPCAM·2002

Average speed enforcement system can calculate the driving time against the distance of the vehicle that passes A point and B point with unmanned control camera installed on overall lanes of A point and B point. This system controls the violating vehicles as it is installed on the tunnel sections, bridge sections and highway and general national roads

Main Features

- Detection method: auto detection by Loop
- Error rate of measurement speed: Less than ±5%
- Identification method: auto identification of vehicle number
- Accuracy of Time Server : ±100ms/day
- Identification rate: Over 90%
- Rate of detecting vehicle violating average speed: Over 99% - Master
- Measurement speed: 10km/h ~ 250 km/h

Starting point for the enforcement

Display of center system

Display of local system

Point to Point Speed Enforcement System

Illegal Parking Enforcement System

TOPCAM·3000 (HD Type) TOPCAM·3001 (Analog Camera Type)

This system can perform real-time auto and semi-auto control of various movements of vehicles that occur in the no parking /no stopping area regardless of access direction (forward entrance/exit, backward entrance/exit) in connection with the existing signal violation control system. In addition, it can provide the information such as penalty delinquent vehicle information, VMS expression of control information and enforcement of Bus-Only Lane control using illegal parking and stopping control system

Main Features

Auto Control

- Auto detection of vehicle
- Auto identification of vehicle number
- Track and zoom-in/-out of identification area

Manual Control

- Monitor prohibited section and track location of violating vehicle at the center
- Auto focus and capture of Zoom, Pan/Tilt at manual area designation
- Manual control with 1 time operation of mouse
- Alarm for the vehicle under control or violating

Local system

Monitoring and crackdown on the vehicles entered the way

Violation enforcement

Center Operation

- Control and monitor multiple areas with diverse screen splits
- Send auto voice announcement and text message
- Auto control according to schedule
- View the vehicle information, levy penalty and issue notice

Mobile Enforcement System

TOPCAM·4000

This system automatically detects and identifies the number of vehicles illegally occupying the roads (illegal parking and stopping, stolen and fleeing vehicle and delinquent taxpayer). It can obtain the data of violating vehicles at all times with excellent field response ability as it consists of and operates as GPS, Interlinked map and camera

Main Features

Detection Method: auto detection by image
Identification method: auto identification of vehicle number
Identification rate: Over 90%

System controller

Built-in car system

Identification of vehicle violating parking and stopping

Overload Enforcement System

TOPCAM·5000

To control the overload vehicle, the principal offender of road damage, this system measures the weight of vehicles using VIM Sensor, identifying the number of violating vehicle and issues the penalty

Main Features

- Detection method: VIM Trigger
- Vehicle Type: 12 types
- Vehicle information: traffic volumes, speed, total weights of vehicle
- Identification method: auto identification of vehicle number
- Identification rate: Over 90%
- Measurement speed: 10km/h ~ 250 km/h

Site configuration

Enforcement and Statistics

I-TV (Industrial Television)

From its starts as a industrial I-TV system specialist in 1984, we have succeeded in local production of I-TV system that has depended on imports for the whole quantity thus far. Its delivery of monitor camera of production line and container crane monitoring system to Iron manufacture, steel works and Heavy Industry, it has contributed much to the automation of production line as well as industrial safety. Currently, it is delivered as production process monitoring management system to Iron manufacture, steel works and Heavy Industry.

Singapore C.C

Production Process of Kwangyang Steel Mill

Cogeneration plant equipment

Iron Ore Storage

Blast Furnace MCR

Field Monitoring

Image and Music Server

This system consists of image server, music server and power supply as the equipment inside the train, and provides audios of various genres including MP3 and movie contents and audio including news, sports, weather, ads and regional information through wireless earphone and LCD monitor to all passengers of Korea Train Express(KTX). In addition, this system receives the media to train image server through wired/wireless network from the Contents delivery company and provides real-time broadcasting to users.

Image Server

Music Server

UPS

Accessary

TP-140SHB

TP-210SHB

TP-900HF

TP-970W

TP-960A

Camera Housing

Transmission equipment that removes the noise occurred during transmission of camera image to the coaxial cable. Consists of 1 channel and 4 channel

TP-01FMM/TP-O4FMD

FM Modulator / Demodulator

Equipment to split the images from 4 cameras and to split them into 4 screens on the monitor Quad, Sequence, Manual Mode and ID/TIME Generator function

TP-800CQR

Color Quad View

Device to distribute and control power into 8 channels

TP-800PC

Power Cont roller

Monitor embedded type as a controller for traffic control that allows generation of text message, AC, DC pan/tilt control and lens control

TP-850MCT

Multiple Function Controller

Device to receive RS-485 data and distribute the data up to 8 channels

TP-800SD

Data Signal Distributor

Device to receive images from 8 cameras and to distribute 3 channel type images

TP-138VDA

Video Distribution AMP

Device that receives data signal from the central device and controls the camera rotator, zoom lens and lighting

TP-800RX

Cont rol Receiver

Absorb the surge from the falling thunderbolt and protect the equipment

TP-SP80K-220S

Surge P rotector

TP-700PT-D

- Rated power : DC24V
- Preset

- Rotation angle : 355°(left/right), Up : +30° ~ Down : -90°
- Rotation speed : 2°~45° (Left/right), up/down : 2°~20°/sec
- Power Consumption : 100W
- Loaded weight : max 40kg

TP-700PTE-BH

- Rated power : DC24V
- Preset

- Rotation angle : 360°(left/right), Up : +30° ~ Down : -90°
- Rotation speed : 0.2°~120° (Left/right), up/down : 0.1°~25°/sec
- Power Consumption : 180W
- Loaded weight : max 55kg

TP-600PT

- Rated power : AC110/220V, 50/60hz

- Rotation angle : 355°(left/right), Up : +20° ~ Down : -70°
- Rotation speed : 6.9° (Left/right), up/down : 3.3°/sec
- Power consumption : left/right 30W, up/down: 30W
- Loaded weight : over 30kg

TP-650PT

- Rated power : AC110/220V, 50/60hz

- Rotation angle : 355°(left/right), Up : +20° ~ Down : -70°
- Rotation speed : 6.6° (Left/right), up/down : 4.4°/sec
- Power consumption : left/right 40W, up/down : 40W
- Loaded weight : over 50kg

Pan / Tilt Head

Video Management Software

Open Platform IP video software management

milestone
The Open Platform Company

XProtect Corporate

XProtect Corporate is powerful, IP video management software designed for large-scale, multi-site installations. It supports an unlimited number of cameras, users and sites.
XProtect Corporate provides the ultimate peace of mind for high-risk security installations. Edge Storage combined with failover Recording Servers and a redundant Management Server ensure video recordings are never interrupted and access to the system is always maintained.
Centralized management is even easier with Milestone Federated Architecture™, while integrated map applications and built-in support for XProtect® Smart Wall ensure exceptional surveillance overview and control.

XProtect Enterprise

XProtect Enterprise is comprehensive IP video management software designed for medium and large-scale installations, primarily multi-site, multi-server deployments.
Quick and easy to set up and manage, XProtect Enterprise's powerful features such as system configuration wizards and auto-detection of hardware significantly reduce the time and costs of deploying large security installations.
The consolidated single-management interface provides an efficient way to view and control an unlimited number of cameras,* giving supreme situational awareness for quick response and accurate investigation.
XProtect Enterprise also supports endless integration possibilities using the Milestone Integration Platform Software Development Kit (MIP SDK), allowing you to future proof your investment and add customized functionality to your security solution.

XProtect Professional

XProtect Professional is comprehensive open platform IP video management software for mid-sized, single-site installations. With multiple configurable servers, it supports up to 64 cameras per server and an unlimited number of users.
XProtect Professional is ideal for capturing video and for installations requiring supreme playback functionality, by providing an efficient way to manage video and swiftly export evidence. Search tools such as Smart Search and the Sequence Explorer allow you to quickly find incidents from one or more cameras.
A complete solution for campuses that have multiple buildings at a single-site, XProtect Professional features Milestone Integration Platform (MIP) support, enabling integration with business systems and video analytics.

XProtect Express

XProtect Express is open platform IP video management software (VMS) designed for small businesses especially retail. It is a single-server solution that can manage up to 48 surveillance cameras and supports five concurrent users.
XProtect Express is affordable VMS for businesses that want to video enable their surveillance installation. It supports video analytics and third-party integrations through the Milestone Integration Platform (MIP) so you can add functionality and customize your system.
Easy to set up and manage, XProtect Express also supports add-on products specifically designed to help you optimize your store operations. XProtect® Retail and XProtect® Transact link transaction data with corresponding video from relevant cameras, helping to verify transactions and reduce fraud.
With flexible licensing options and an open platform environment, XProtect Express prepares you for the future so you can seamlessly upgrade and expand your system as security and business needs change.

XProtect Essential

XProtect Essential is open platform IP video management software (VMS) designed for small, single-server businesses. It can manage up to 26 surveillance cameras and supports five concurrent users.
XProtect Essential is an entry-level product that is ideal for retail and other small businesses that require basic, yet effective VMS functionality. With a user-friendly interface, it is easy to capture, view and export video evidence. Search tools such as the Sequence Explorer allow you to quickly locate incidents from one or more cameras, simplifying the evidence collection process.
With a flexible licensing model, XProtect Essential makes it easy to expand your system by adding additional cameras or upgrade to our premium products.

Key features	XProtect Essential	XProtect Express	XProtect Professional	XProtect Enterprise	XProtect Corporate
Number of connected cameras	26	48	64	250+	Unlimited
Maximum numbers of users	5	5	Unlimited	Unlimited	Unlimited
Image storage period	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Video export format	XProtect format, Media player, still images	XProtect format, Media player, still images	XProtect format, Media player, still images	XProtect format, Media player, still images	XProtect format, Media player, still images
Web client for remote viewing	Yes	Yes	Yes	Yes	Yes
Archiving to network storage		Yes	Yes	Yes	Yes
Third-party application integration		Yes	Yes	Yes	Yes
Support for video analytics		Yes	Yes	Yes	Yes
Scalable multi-server solution			Yes(Max 5)	Yes	Yes
Centralized management					Yes
Flexible event rule wizard					Yes
Fail-over Server					Yes
Map function				Yes	Yes
Voice Support	One-way	One-way	Two-way	Two-way	Two-way

(1) For most installations larger than 250 cameras, Milestone recommends using XProtect Corporate (2) Using Milestone Software Development(SDK) (3) Using XProtect Analytics Framework

Security Network Cameras

Dome Network Cameras

Super Dynamic Weather
Resistant HD Dome Network Camera

WV-SW396
(24V AC or PoE Plus : NTSC, PAL)

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel double speed MOS Sensor
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- 72x extra optical zoom at VGA resolution with 12x digital zoom enabling 864x zoom.
- Super Dynamic 128x wider dynamic range
- Face Super Dynamic technology ensures clear face image.
- High sensitivity: 0.5 lx (Color), 0.06 lx (B/W) at F1.4 (Wide) / 0.031 lx (Color), 0.004 lx (B/W) at F1.4 (Wide) with Sens Up 16x
- Supports Power over Ethernet Plus (PoE+) IEEE 802.3af (does not support IEEE 802.3af)
- Dehumidification device for use in various weather conditions
- ONVIF compliant model

Optional Accessory

Wall Mount Bracket WV-Q122 (PAL model only)

Super Dynamic Weather
Resistant HD Dome Network Camera

WV-SW395
(24V AC or PoE Plus : NTSC, PAL)

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel double speed MOS Sensor
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- 36x extra optical zoom under VGA resolution with 12x digital zoom enabling 432x zoom.
- Super Dynamic 128x wider dynamic range
- Face Super Dynamic technology ensures clear face image.
- High sensitivity: 0.5 lx (Color), 0.06 lx (B/W) at F1.6 (Wide) / 0.031 lx (Color), 0.004 lx (B/W) at F1.6 (Wide) with Sens Up 16x
- Supports Power over Ethernet Plus (PoE+) IEEE 802.3af (does not support IEEE 802.3af)
- Dehumidification device for use in various weather conditions
- ONVIF compliant model

Optional Accessory

Wall Mount Bracket WV-Q122 (PAL model only)

Super Dynamic HD Dome Network Camera

WV-SC386
(12V DC or PoE : NTSC, PAL)

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel double speed MOS Sensor
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- 72x extra optical zoom at VGA resolution with 12x digital zoom enabling 864x zoom.
- Super Dynamic 128x wider dynamic range
- Face Super Dynamic technology ensures clear face image.
- High sensitivity: 0.5 lx (Color), 0.06 lx (B/W) at F1.4 (Wide) / 0.031 lx (Color), 0.004 lx (B/W) at F1.4 (Wide) with Sens Up 16x
- Supports Power over Ethernet (PoE) IEEE 802.3af
- ONVIF compliant model

Optional Accessories

Ceiling Mount Bracket WV-Q105	Embedded Ceiling Mount Bracket WV-Q126	Wall Mount Bracket WV-Q118	Smoke Dome Cover WV-CS4S

Super Dynamic HD Dome Network Camera

WV-SC385
(12V DC or PoE : NTSC, PAL)

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel double speed MOS Sensor
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- 36x extra optical zoom under VGA resolution with 12x digital zoom enabling 432x zoom.
- Super Dynamic 128x wider dynamic range
- Face Super Dynamic technology ensures clear face image.
- High sensitivity: 0.5 lx (Color), 0.06 lx (B/W) at F1.6 (Wide) / 0.031 lx (Color), 0.004 lx (B/W) at F1.6 (Wide) with Sens Up 16x
- Supports Power over Ethernet (PoE) IEEE 802.3af
- Desktop/Ceiling position choice and various optional brackets for versatile installations
- ONVIF compliant model

Optional Accessories

Ceiling Mount Bracket WV-Q105	Inner Dome Cover WV-Q157	Wall Mount Brackets WV-Q154C (Clear) WV-Q154S (Smoke)	Embedded Ceiling Mount Brackets WV-Q155C (Clear) WV-Q155S (Smoke)	Indoor Dome Covers WV-Q156C (Clear) WV-Q156S (Smoke)

Super Dynamic HD Vandal
Resistant Fixed Dome Network Camera

WV-SW155 / WV-SW155M
(PoE : NTSC, PAL)

- Progressive scan 1.3 Megapixel MOS Sensor
- Wide Dynamic Range and ABS (Adaptive Black Stretch)
- Face Wide Dynamic Range
- VIQS (Variable Image Quality on Specified area) technology
- High sensitivity: 0.8 lx (Color), 0.6 lx(B/W) at F2.2
- H.264 (High profile) dual stream and JPEG output
- Power over Ethernet (PoE) IEEE 802.3af
- IP66 rated water and dust resistant
- Vandal resistant mechanism for high reliability
- "Railway applications - Electronics equipment used on rolling stock" compatible with EN50155
- Wide coverage (Horizontal: 104 °, Vertical: 85 °)

Super Dynamic Vandal
Resistant Fixed Dome Network Camera

WV-SW152 / WV-SW152M
(PoE : NTSC, PAL)

- Progressive scan 1.3 Megapixel MOS Sensor
- Wide Dynamic Range
- Face Wide Dynamic Range
- VIQS (Variable Image Quality on Specified area) technology
- High sensitivity: 0.6 lx (Color), 0.4 lx(B/W) at F2.2
- H.264 (High profile) dual stream and JPEG output
- Power over Ethernet (PoE) IEEE 802.3af
- IP66 rated water and dust resistant
- Vandal resistant mechanism for high reliability
- "Railway applications - Electronics equipment used on rolling stock" compatible with EN50155
- Wide coverage (Horizontal: 104 °, Vertical: 85 °)

Fixed Dome Network Cameras

Super Dynamic Full HD Network Camera

WV-SW559/SW558
(12V DC or PoE : NTSC, PAL)

- Super high resolution at Full HD/1,920 x 1,080 created by 3.1Megapixel high sensitivity MOS Sensor.
- Wide Dynamic Range and ABS (Adaptive Black Stretch)
- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- 2 areas VIQS (Variable Image Quality on Specified area) technology
- Cropping function : simultaneous whole image (1,920 x 1,080) and the part image (640 x 360)
- Face Wide Dynamic Range
- High sensitivity with Day & Night (IR) function: 0.5 lx (Color), 0.06 lx(B/W) at F1.4
- H.264 (High profile) dual stream and JPEG output
- Power over Ethernet (PoE) IEEE 802.3af
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes.
- IP66 rated water and dust resistant
- Vandal resistant mechanism for high reliability

Optional Accessories

Ceiling Mount Bracket WV-Q169	Smoke Dome Cover WV-CW4S

Super Dynamic HD Vandal
Resistant Fixed Dome Network Camera

WV-SW355
(12V DC or PoE : NTSC, PAL)

- Progressive scan 1.3 Megapixel MOS Sensor
- Wide Dynamic Range and ABS (Adaptive Black Stretch)
- Face Wide Dynamic Range
- VIQS (Variable Image Quality on Specified area) technology
- High sensitivity: 0.3 lx (Color), 0.05 lx(B/W) at F1.6
- H.264 (High profile) dual stream and JPEG output
- Power over Ethernet (PoE) IEEE 802.3af
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes.
- IP66 rated water and dust resistant
- Vandal resistant mechanism for high reliability

Optional Accessories

Ceiling Mount Bracket WV-Q169	Smoke Dome Cover WV-CW4S	Heater Unit WV-SW3H

Super Dynamic Vandal
Resistant Fixed Dome Network Camera

WV-SW352
(12V DC or PoE : NTSC, PAL)

- Progressive scan 1.3 Megapixel MOS Sensor
- Wide Dynamic Range
- Face Wide Dynamic Range
- VIQS (Variable Image Quality on Specified area) technology
- High sensitivity: 0.2 lx (Color), 0.04 lx(B/W) at F1.6
- H.264 (High profile) dual stream and JPEG output
- Power over Ethernet (PoE) IEEE 802.3af
- IP66 rated water and dust resistant
- Vandal resistant mechanism for high reliability

Optional Accessories

Ceiling Mount Bracket WV-Q169	Smoke Dome Cover WV-CW4S	Heater Unit WV-SW3H

Security Network Cameras

HD Network Camera

Super Dynamic Full HD
Network Camera

WV-SP509

(12V DC or PoE : NTSC, PAL)

- Super high resolution at Full HD/1,920 x 1,080 created by 3.1Megapixel high sensitivity MOS Sensor.
- Wide Dynamic Range and ABS (Adaptive Black Stretch)
- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- 2 areas VIQS (Variable Image Quality on Specified area) technology
- Cropping function : simultaneous whole image (1,920 x 1,080) and the part image (640 x 360)
- Face Wide Dynamic Range
- High sensitivity with Day & Night (IR) function: 0.5 lx (Color), 0.06 lx(B/W) at F1.4
- H.264 (High profile) dual stream and JPEG output
- Power over Ethernet (PoE) IEEE 802.3af
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes

Optional Accessory

ALC Lens for 1/3 type CCD Cameras
2x Varifocal (High Resolution)
WV-LZA62/2
(2.8 ~ 6 mm)
F1.4 (Wide) F2.1 (Tele)

Super Dynamic Full HD
Network Camera

WV-SP508

(12V DC or PoE : NTSC, PAL)

- Super high resolution at Full HD/1,920 x 1,080 created by 3.1Megapixel high sensitivity MOS Sensor.
- Wide Dynamic Range and ABS (Adaptive Black Stretch)
- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- 2 areas VIQS (Variable Image Quality on Specified area) technology
- Cropping function : simultaneous whole image (1,920 x 1,080) and the part image (640 x 360)
- Face Wide Dynamic Range
- High sensitivity with Day & Night (Electrocal) function: 0.5 lx (Color), 0.3 lx(B/W) at F1.4
- H.264 (High profile) dual stream and JPEG output
- Power over Ethernet (PoE) IEEE 802.3af
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes.

Optional Accessory

ALC Lens for 1/3 type CCD Cameras
2x Varifocal (High Resolution)
WV-LZA62/2
(2.8 ~ 6 mm)
F1.4 (Wide) F2.1 (Tele)

Fixed Network Cameras

HD Network Camera

WV-SP306

(12V DC or PoE : NTSC, PAL)

- Progressive scan 1.3 Megapixel MOS Sensor
- Wide Dynamic Range and ABS (Adaptive Black Stretch)
- Face Wide Dynamic Range
- High sensitivity: 0.3 lux (Color), 0.05 lux(B/W) at F1.4
- H.264 (High profile) dual stream and JPEG output
- Power over Ethernet (PoE) IEEE 802.3af

Optional Accessory

ALC Lens for 1/3 type CCD Cameras
2x Varifocal (High Resolution)
WV-LZA62/2
(2.8 ~ 6 mm)
F1.4 (Wide) F2.1 (Tele)

HD Network Camera

WV-SP305

(12V DC or PoE : NTSC, PAL)

- Progressive scan 1.3 Megapixel MOS Sensor
- Wide Dynamic Range
- Face Wide Dynamic Range
- High sensitivity: 0.3 lux (Color), 0.2 lux(B/W) at F1.4
- H.264 (High profile) dual stream and JPEG output
- Power over Ethernet (PoE) IEEE 802.3af

Optional Accessory

ALC Lens for 1/3 type CCD Cameras
2x Varifocal (High Resolution)
WV-LZA62/2
(2.8 ~ 6 mm)
F1.4 (Wide) F2.1 (Tele)

Partnership

Panasonic
ideas for life

Security Network Cameras
Dome Network Cameras
Fixed Dome Network Cameras
HD Network Camera
Fixed Network Cameras

CCTV IR Light Panel

Specifications

odel : TPL-301 R
ize : 206mm X 230mm X 110mm
aterial : Aluminum
ED Type : 850nm/ 1.5W
ower Supply : DC9V
ated Capacity : 50W
eight : 2.5Kg
P : IP65

The Soul for a Dream

Contact

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