

FW7300-GKN

4K CS Mount Global Shutter ANPR/LPR

FW7300-GKN is a high-quality Global Shutter CS Mount IP camera which is equipped with 1/1.1" 12.41MP Sony IMX565 Global Shutter CMOS image sensor, it is especially superior in low light condition. As it supports simultaneous H.265, H.264, M-JPEG Video Compression, less network bandwidth and storage space required. It also delivers high quality video image at 30fps@8M in progressive mode.

Key Features

- Backdoor Issue free
- 1.2Tops NPU AI
- Native support for deep learning AI features
- Sony IMX565 1/1.1" 12.41MP Global Shutter Image sensor
- CS Mount
- P-IRIS Support
- Max. 30fps@8MP
- Quadruple Streaming (H.265, H.264, M-JPEG, JPEG)
- Various Back light mode
- Defog
- IP filtering & Management White List
- ONVIF Profile S
- Multi Browser support - Chrome, Edge, I.E
- Good for ANPR or LPR
- NDAA Compliant



Tech Notes

Native support for deep learning AI features

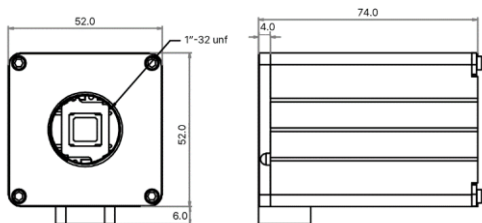
Object Detection (human, Vehicle etc), Face Detection, Intrusion Detection, Line Crossing, Object Counting, Object Tracking, Tampering, General Detection, Abnormal Detection are provided.

CS Mount

Highly compatible CS-mount allows for greater flexibility in lens selection for specific surveillance applications

FW7300-GKN

Technical Specifications



Person, Bicycle, Motorcycle, Car, Truck, Bus,
Face Detection

Intrusion Detection, Line Crossing, Object
Counting, Object Tracking, Tampering, General
Detection, Abnormal Detection

Video Analytic

Network

Security

Supported Protocols

DDNS

Interface

Cybersecurity

Asymmetric Encryption Algorithm

RSA 2048 bits

Digital Signature Algorithm

RSA 2048 bits

Symmetric Encryption Algorithm

AES-128, AES-256

Cryptographic Hash Functions

SHA-256, MD5

Token Authentication Code

SHA-256, MD5

Key Exchange Protocols

RSA Key Exchange

Certificate

X.509

System Integration

Application Programming Interface

SDK, ONVIF Profile S

Event Condition

Motion detection, audio detection, external digital
input, external input data, SD card error

Event Action

Pre-alarm & Post-alarm buffer
Image upload: FTP (periodic, buffer)
Notification: email, HTTP, TCP, UDP
External digital output

Edge AI

Supported

Peripheral & Auxiliary I/O

Onboard Recording

MicroSD card slot, support up to 1TB

Audio

Line in, line out
Audio compression: G.711-ulaw, Sampling rate
8KHz, 16bit, Mono
Audio streaming: 2-way

External alarm

1 digital input, 1 digital output (NO/NC)

Serial interface

1 RS485

Video out

CVBS (SD analog)

Software

Web Browser

IE, Chrome, Edge

Mobile Viewer

iOS, Android

CMS

Smart Multi Viewer and Player

NVR

SmartNVR (up to 9 channels free license)

Device manager

IP Installer

General

Case/ Color

Metal

Power Supply

DC12V / 3A
PoE : IEEE 802.3at

Power Consumption

TBD

Operating Environment

-20°C ~ +60°C, 10% ~ 90% RH

Dimension

52(W) x 74(D) x 58(H) mm

Camera

Image Sensor 1/1.1" 12.41MP Sony IMX565 Global Shutter
CMOS

Lens CS Mount Lens (not included)

P-IRIS Support (option)

Day & Night True Day & Night

Min. Illumination Color : 0.05 lux
B&W : 0.0005 lux

IR illumination -

Video Stream

System 64bit RISC-V Quad Core up to 594MHz, NOR
Flash 512 Mb / LPDDR3 4Gb

Compression H.265, H.264, M-JPEG, JPEG

Video Stream Quadruple Streaming

Resolution 3840x2160, 2560x1440, 1920x1080, 1280x720,
720x480, 640x352, 320x240

Max. Frame rate 30fps, 25fps@8M

Bit Rate Control CVBR, CBR, VBR

Video Setting

Lens type ELC (Normal/Deblur)
ALC (Indoor/Outdoor/Deblur)

Auto Exposure Weight 0 ~ 255

Shutter Mode Auto / Manual / Flicker

Electronic Shutter Minimum/ Maximum, 1/30~1/30,000s

Sens Up Off / x2 / x4 / x8 / x16 / x32

AGC 0 ~ 255

Back Light Mode Off / HLC / BLC / WDR (> 120dB)

Day-Night Mode Off / Color / B&W / External

IR LED Disable / Enable

White Balance Auto / Preset / Manual

Digital Noise Reduction 2 DNR, 3 DNR

Image Adjustment Sharpness, Gamma, Mirror, Flip, Contrast

D-WDR Off / Low / Middle / High

Defog Off / Low / Middle / High

Color Mode Default / Vivid

Text OSD 9 lines, settable size, color, position, etc.

Smart Video ROI (Region of Interest) 8 areas

Privacy Masking 8 Areas

Analytics

Motion Detection 4 areas

Object Detection Deep learning based AI

Weight	Approx. 150g
Protection	-
Certifications	KC, CE, FCC, RoHS
Included Accessories	-

Note :

* Specifications are subject to change without notice for product improvement.

* AI capabilities may not perform perfectly all the time because their performance can be affected by the environment and the content they are trained on.