

Progressive Scan Industrial Camera Series Featuring GigE Vision Interface

Near Infrared Camera KP-F145GV

Speed: 1 Gbps
Distance: 100m

GigE Vision Interface Features

GigE™
VISION

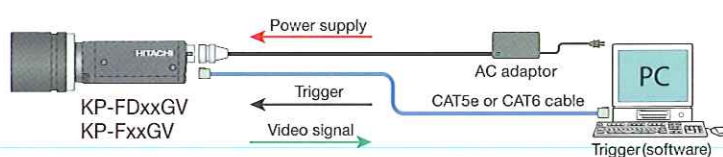


Gigabit Ethernet interface

Direct connection is possible to PC by the Gigabit Ethernet cable. This cable is less bulky compared with parallel digital output cabling.

GigE Cable length can be extended to maximum 100m without hub and switcher.

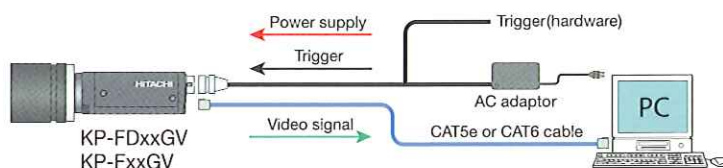
Direct connection to PC and triggered via Ethernet (software trigger)



GigE Vision™ (Ver 1.00) compatible

Based on Industrial camera interface standard GigE Vision, a maximum of 1Gbps high speed data transmission is available and suitable for image processing.

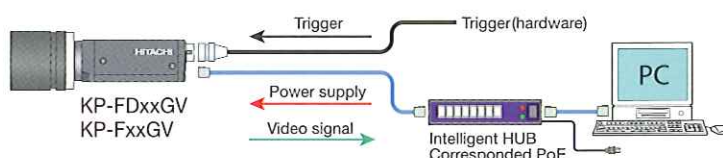
Direct connection to PC and triggered via multi-connector (Hardware trigger)



GENiCAM™ (Ver 1.00) compatible

Development of camera control system is easy because industrial camera control API "GENiCAM" lead EMVA (European Machine Vision Association).

Connection via HUB/switcher to PC and power supply via the Ethernet (PoE)



PoE correspondence

Power supply can be input via Ethernet cable (Power over Ethernet).

Main Features

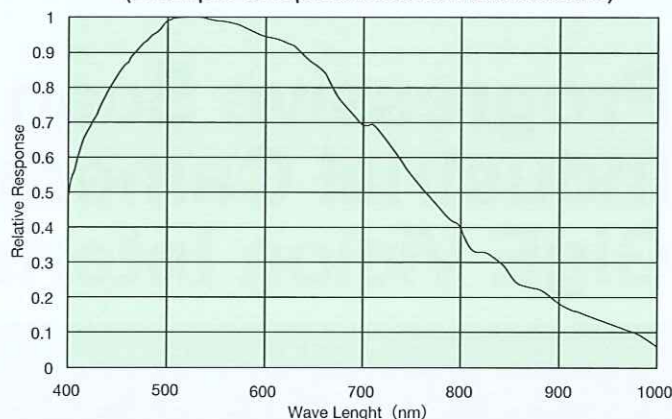
1. Versatile CCD drive functions

- Auto electronic Shutter mode (AES)
Adjusted automatically from 10 second to approx. 1/100,000 second.
- Preset electronic shutter mode Multi-step up to 1/50000 second in 8 steps.
- Variable electronic shutter mode Variable at 1H steps from 10 second to approx. 1/100,000 second.

2. External trigger

An external trigger signal input can be used to capture an image at desired timing for instant view or processing. The software trigger via a Gigabit Ethernet cable and the hardware trigger can deal with all trigger signals.

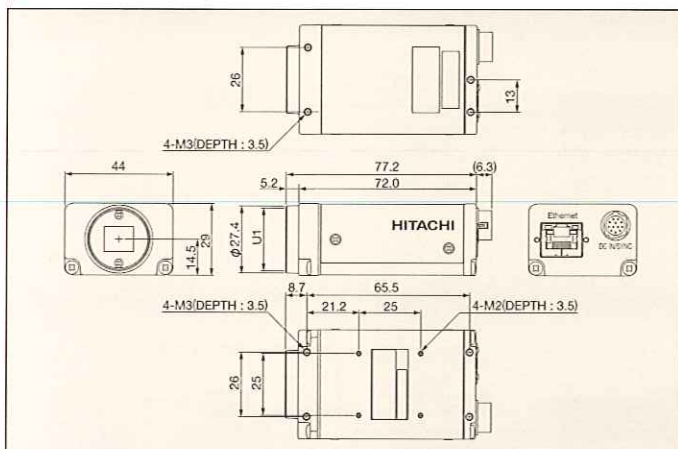
Spectrum sensitivity characteristic
(Example of representative characteristic)



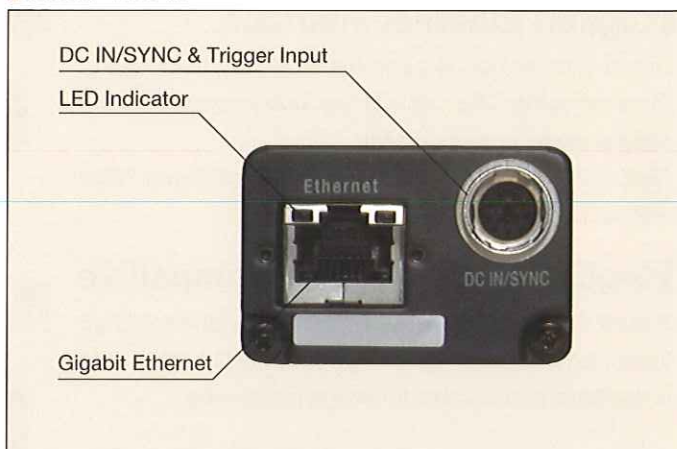
Main specifications

Model	KP-F145GV
Imaging device	2/3-inch interline CCD
Effective pixels	1392(H) × 1040(V)
Unit cell size	6.45μm(H) × 6.45(V) (square lattice)
Scanning system	Progressive
Sync system	Internal / External
Video system	GigE Vision
Frame rate	30 frames per second (full pixel readout)
Data format	Mono 8/10/12bit
Power supply voltage	DC+12 V plus minus 1V (input from 12-pin connector), 48 V (PoE)
External dimensions	44(W) × 29(H) × 72(D)mm
Mass	Approx.140g

Dimensions



Rear View



CAUTION : To ensure safe operation, please read the instruction manual before using this product.

These Specifications are subject to change without notice.

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CERTIFICATE No.

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EN 29001/JIS Z9901