



# GiantDragon (GigE Camera) Series



*Not just a legend anymore*



## Outline

GiantDragon Series cameras are available in B/W and color models with resolutions ranging from VGA to UXGA quality ( 9 models total with the same chassis). The band width allows the camera to transfer the image data at 1Gbps so this series also can achieve high frame rate with the advantage of GigE vision interface. Plus supporting scalable mode and random shutter mode, it is suitable to install various kinds of machine vision application.

## Feature

### • GigE Standard Interface

Adopting Gigabit Ethernet interface (IEEE802.3ab), high-speed image signal output is possible. Image data is transferred at 1Gbps, 10bit and non-compressed image.

### • GigE Vision / GenIcam compliance

GiantDragon complies with GigE Vision Camera Interface Standard for Machine Vision Ver.1.0, so it will be easy to control the camera setting.

### • Random Trigger Shutter

Using an external trigger signal, it is possible to capture images at any timing.

### • TeliGCAM Software

Free ALL-NEW TeliGCAM SDK can be downloaded soon

at [www.toshiba-teli.com](http://www.toshiba-teli.com) or [www.toshiba-teli.co.jp](http://www.toshiba-teli.co.jp)

### • B/W or Color Camera, and Camera Resolution Selection

Selection of B/W or color camera, and resolution quality of VGA, XGA, SXGA, or UXGA (all with the same chassis) is available to fit your needs.

### • Scarable (ROI) function

It enables to choose the region of the image as users wished.  
The configuration should be classified by unit.

### • Compact & Light body

### • RoHS Compliance

## Specification

Model ( B/W )	CSGV90BC3	CSGX36BC3	CSGS20BC2	<b>CSGS30BC23</b>	CSGU15BC18
Model ( Color )	CSGV90CC3	CSGX36CC3	CSGS20CC2		CSGU15CC18
Resolution (H) x (V)	VGA 640 x 480	XGA 1024 x 768	SXGA 1280 x 960	<b>SXGA 1280 x 1024</b>	UXGA 1600 x 1200
Frame rate	90 fps	36 fps	20 fps	<b>30fps</b>	15 fps
Device size (H) x (V)	4.88mm × 3.66mm (1/3 type)	4.81mm × 3.62mm (1/3 type)	6.47mm × 4.84mm (1/2 type)	<b>ICX285 10.2 mm × 8.3mm (2/3 type)</b>	7.16mm × 5.44mm (1/1.8 type)
Unit cell size	7.4μm x 7.4μm	4.65μm x 4.65μm	4.65μm x 4.65μm	<b>6.45μm x 6.45μm</b>	4.40μm x 4.40μm
Scanning	Progressive				
Sync	Internal sync				
Aspect ratio	4:3				
Gain	0 - +12 dB (91 steps) (default setting 0 dB)				
Gamma	OFF (1.0 fix)				
Set up level	6.3% - 25% (192 steps) (default setting 6.3%<about 16 digit>)				
Power	DC12V				
Mount	C mount				
Outer dimension	44(W) x 29(H) x 70(D) (Not including protruding parts)				

## Connector

(1) Gigabit Ethernet interface connector RJ45  
connector model : P65-P01-19V8 (SpeedTech)

Pin No	I/O	Function
1	I/O	BI_DA+
2	I/O	BI_DA-
3	I/O	BI_DB+
4	I/O	BI_DB-
5	I/O	BI_DC+
6	I/O	BI_DC-
7	I/O	BI_DD+
8	I/O	BI_DD-

(2) Power & Trigger connector  
connector model: HR10A-7R-6PB(73)

Pin No	Signal
1	GPIO0
2	GND
3	GND
4	TRIG_IN
5	GPIO1
6	+12V

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