

HD Output Series Product Guide



Overview

Omron's HD Output Series is one of the easiest industrial cameras on the market to set up. Paired with a brilliant HD 1080p resolution and 60 FPS, the HD Output Series gives the power that customers expect from an Omron industrial camera with the simplicity of a direct connect-to-monitor camera. Users can easily connect to a monitor or television to stream live video of a target inside of a machine, surgery room, or another location. A wire remote control allows for simple on-the-fly settings changes that can be fully configured by the user for optimal application setup.

The HD Output Series is targeted towards highly industrial applications applications that require an industrial camera but have no need for machine vision analysis (as seen with traditional machine vision cameras). It is ideal for applications in the life sciences and medical industries in which researchers and lab technicians can benefit from displaying images on larger screens for ease of manual analysis. Some of the applications that are ideal for the HD Output Series include microscopy, endoscopy, surgical head lamps, remote monitoring, and manual viewing.

Primary Benefits

- Installing an industrial camera has never been easier thanks to the direct connect-to-monitor functionality of the Omron HD Series.
- Users can create custom profiles with settings specified for each individual use case within their applications, which allows them to quickly set up and install new cameras.
- Engineers can utilize the programmable wired remote control that comes optional with the HD Output Series to change specified settings on the fly.

Key features

- True Plug & Play
Direct connect to monitors through either HDMI or BNC
- Brilliant HD Image
- True 1080p HD Resolution
- 60 FPS
- Multiple Configurations
- Available in Cased or Board models
- HDMI-DVI or 3G-SDI output
- CS or C-Mount Lens options

Applications

- Manual Viewing
- Machine Monitoring
- Microscopy
- Surgical Head Lamps

HD Output Series Product Selection



Product Line-Up

Model	Color	STC-HD213DV	STC-HD213SDI
Resolution		High-Definition 1080P	High-Definition 1080P
Frame Rate		60fps	60fps
Effective Pixels		1920 × 1080	1920 × 1080
Sensor Size		1/2.8	1/2.8
Cell Size (HxV, μm)		2.8 × 2.8	2.8 × 2.8
Sensor Type		CMOS	CMOS
Sensor		IMX136	IMX136
Connection Type		HDMI	BNC
General Specifications		Case	Case

Accessories

AC Adapter		
Model	Applicable Model	General Specification
PWR-DC12-500R-A	All DVI/SDI models	DC jack type, Input: 100-240 Vac, Output: 12V1A

CS-to-C-Mount Conversion Adapter		
Model	Applicable Model	General Specification
CS-C-R	CS Mount Camera	

Remote Control Unit		
Model	Applicable Model	General Specification
JIG-HD133-R	All DVI/SDI Camera	φ3.5 stereo pin jack