



Visual Quality Inspection

# OptoFidelity RV1 RemoteViewer



*OptoFidelity RV1 RemoteViewer is a professional camera-based communication tool showing live video image of a target device over internet. It enables your design experts help your service personnel with quality problems in production, service, or R&D in distant locations.*

A picture tells more than a thousand words and a live video tells more than a million words. OptoFidelity RV1 RemoteViewer camera communication tool is your best choice for faster and more efficient way to communicate.

## Solving Quality Issues - Getting the Production Line Up and Running Fast

When a production line needs to be stopped due to suspected quality problems in component placement, mechanical tolerances, or visual defects, you need to act fast. With OptoFidelity RV1 RemoteViewer, the best experts can give instant advice and make decisions immediately even if they are on another continent.

The system does not require any software to be installed: the experts may control to the camera's pan, tilt, and zoom with their own web browser over internet. To make the discussion even easier, a clear laser dot (aiming point) shows the local personnel where the remote expert has focused and zoomed the camera. A built-in two-way audio channel may be used for voice communication. The system may also be equipped with a local video monitor to view the live video without a need for a local PC.

The system comes standard for a picture area of 300 x 250 to 6 x 5 mm<sup>2</sup>; as an option, you may have optics for larger targets.

## Validating Product Design Remotely

In global, multi-site R&D projects the project team may easily gather around the prototype and discuss the development issues with the help of OptoFidelity RV1 RemoteViewer's live video picture. The device may be turned

**BENEFITS**

- > Faster and more efficient way to communicate
- > Instant problem solving and decision making
- > Less need to travel
- > Less need to ship devices
- > Millimeter-scale remote-controlled live video with excellent image quality

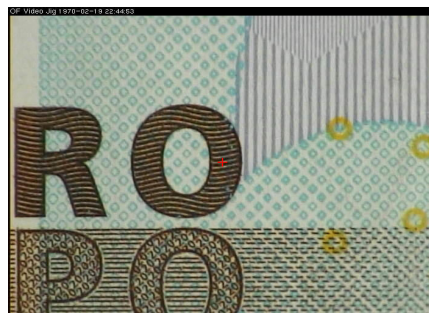
**What ever your needs are, OptoFidelity RV1 RemoteViewer gives you the competitive edge.**

around while discussing, and the camera may be aimed and zoomed in to the details remotely; with the 35x optical zoom, the picture is clear even in the sub-millimeter scale.

As multiple sites may connect to the camera simultaneously, a true design review tele meeting is here today!



System set-up



Zoom in



Zoom out

[www.optofidelity.com](http://www.optofidelity.com)

**OptoFidelity Ltd.** is a high-tech company focusing on optical test and measurement. OptoFidelity designs and supplies optical and camera-based test and measurement systems and services which help their customers shorten the R&D process times.





## Visual Quality Inspection

HD10  
Inspection HDMI Camera

TECHNICAL SPECIFICATIONS	
Resolution	Color 640 x 480 (VGA)
Picture area (approximate)	300x250—6x5 mm <sup>2</sup> (std)
Focus distance (approximate)	20—40 cm (standard)
Video output	Color 640 x 480 (VGA)
Local display (optional)	Color 7", to be connected to the video output
Camera zoom	35x optical, remote controlled over internet
Camera pan and tilt	Remote controlled over internet
Ethernet	Standard 1 Gb/s
Internet speed	Minimum 1 Mb/s Recommended 4 Mb/s
Web server	Built-in; supports all major web browsers
Dimensions (W x H x D)	400 x 700 x 500 mm <sup>3</sup>
Weight	Ca. 15—25 kg depending on the options
Power supply (included)	100—240 V AC, 50/60 Hz; Please select one AC plug option
Operating environment	+5—+40 °C
Storage environment	0—+60 °C, non-condensing
Warranty	24 mo. limited warranty
CE compliancy	2006/95/EC; Low-Voltage Directive (safety) 2004/108/EC; EMC

### Features

- Color camera with Ethernet connection
- Built-in web server with support for multiple simultaneous users and support for all major web browsers
- Video and still pictures may be saved for future use
- Remote-controlled camera pan, tilt, and zoom over internet
- A laser pointer connected to the camera to show an aiming point where the camera is zoomed in
- Optional local 7" color display to view the camera image locally (no PC needed)
- Optional light sources for target device lighting
- Enables millimeter-scale video picture with optical zoom down to 6 x 5 mm<sup>2</sup> picture size (with full resolution)
- Optional extended focus distance for large-scale targets
- Manually adjustable device table/jig
- Support for secure VPN connection



**OptoFidelity RV1 RemoteViewer has a built-in web server with support for multiple simultaneous users**

### ORDERING INFORMATION

#### OptoFidelity RV1 RemoteViewer

Option AC/Euro, AC/US	Select one of these AC plug options for the included AC power supply
Option EFD	Extended focus distance 1 m — ∞ (instead of 20—40 cm) for larger targets
Option AUD	Microphone and loudspeaker for voice communication
Option DSP	Local display to view the camera image locally
Option LIT	Light sources for optimum target lighting
Option HDS	Support option: 24/7 phone-in Helpdesk service for one year

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