

**Panasonic**



# OEM MICRO CAMERA RECORDING SOLUTION GP-RC132

1/3-inch Full HD MOS chip

Multi Format up to 1080i

Brilliant Colour Reproduction

Ultra Compact

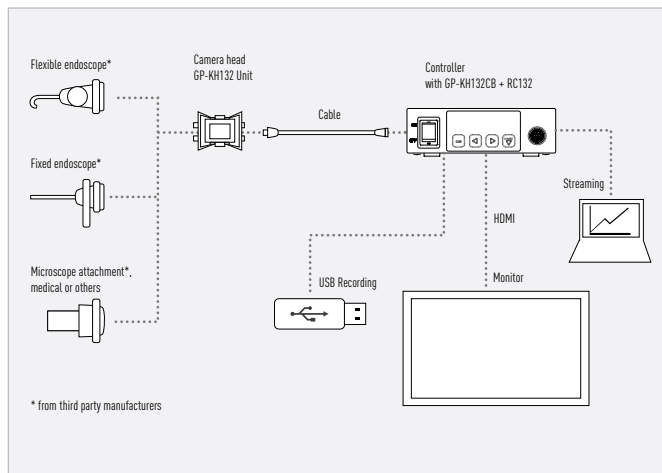


# OEM MICRO CAMERA RECORDING SOLUTION GP-RC132

## Simultaneous Streaming and Recording

The GP-RC132 recording board can be utilized as both, a video encoder as well as video decoder. In the video encoder mode, the GP-RC132 captures a HDMI video source and compresses it with the H.264 (MPEG 4 AVC) video codec. Afterwards the solution stores it either as a MP4 file on the USB device or transmits the encoded video live as an RTSP stream in the customer's network. The HDMI output can then be used to receive a live picture without any delay. By means of a direct ethernet connection, the latency will be only 66 to 100ms (2 or 3 frames) - depending on the buffer size and the user's hardware.

## System Structure



## Ease of Implementation

Ease of implementation by direct connection to the Panasonic OEM micro camera solution GP-KH132 is provided within the recording solution. That offers the possibility to communicate to the Panasonic micro camera over the GP-RC132. This smooth communication design allows the control of the CCU through the recording solution.

## Specifications

GP-RC132		
Model name	Camera recording board	GP-RC132
Video codec	H.264 (MPEG4 AVC) up to level 4.1	
Video encoding	up to 720p50/60, 1080i50/60 or 1080p24/25/30	
Streaming	RTSP stream (128 to 20000 kbit/s)	
Live change	3 connection points	
Sensor	bandwidth, GOP size and resolution while streaming	
Connectivity		
Output	DVI / Display Port	Optional (instead of HDMI)
	HDMI	HDMI
Processing		
Processor	ARM926-EJ processor and integrated hardware H.264 encode	
Memory	128 MB DDR2 RAM	
Flash memory	512 MB on board Flash	
Storage	USB-2 (480 Mbit/s) type A	
Network	network RJ45	
Remote interface	RS232 remote control	
Buttons	On additional micro controller board with LED control	

## SYSTEM COMPONENTS



### GP-KH132CB Control Board

- Supports GP-KH132HU
- Output: HDMI
- Remote communication port
- Dimension: 133 x 104 mm



### GP-KH132HU Remote Head Module

- 1/3" type MOS with Full-HD Pixel
- Flex cable connector
- Head switch inputs
- Dimension 22 x 21 x 12 mm



### GP-RC132 Recording Board

- Output: HDMI, RJ45, USB
- Micro controller port
- RS232 remote control
- H.264 Codec



### Cable Components

- Non-assembled cable in black
- 100 m with 5.8 mm diameter
- Suitable for medical and industrial use

# Panasonic

Panasonic Marketing Europe GmbH  
 Industrial Medical Vision  
 Winsberggring 15, 22525 Hamburg, Germany, Postfach 54 04 69  
 Tel.: +49 40 8549-2835, Fax: +49 40 8549-2107  
<http://business.panasonic.eu/imv>



We expressly reserve the right to make reasonable changes to models, dimensions, colors as well as to make modifications that bring our products in line with state-of-the-art technology.