



OEM MICRO CAMERA RECORDING SOLUTION GP-RC100CB

USB Recording

Foot switch connector

Capture Full-HD Video signal from KH232 / US932 CCU

IP streaming (H.264)



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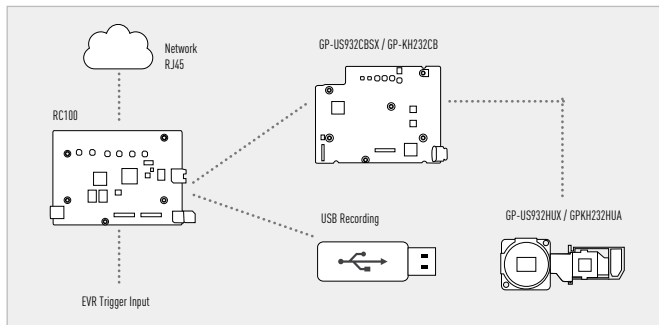
Key Features

The Panasonic OEM Micro Camera Recording Solution GP-RC100 is an option unit for the Panasonic OEM micro camera GP-US932 and GP-KH232 series, which enables encoding and digital video streaming to H.264 or still picture in JPEG. The GP-RC100 provides the opportunity to record the live picture (mp4) to an USB device or access it from PC via IP network. Additionally, Full HD signals can be encoded and recorded in more than 24 Mbps to USB device or via network.

Ease of Implementation

Ease of implementation by direct connection to the Panasonic OEM micro camera solution GP-US932 and GP-KH232 is provided within the recording solution. That offers the possibility to communicate to the Panasonic micro camera over the GP-RC100. This smooth communication design allows the control of the CCU through the recording solution.

System structure



Specifications

GP-RC100CB		
Model name	Camera recording board	GP-RC100CB
Video codec	H.264 (MPEG4 AVC) up to level 4.1	
Video encoding / Recording	1080p/60 24Mbps	
Streaming	RTSP stream	
CCU Connection	Direct connection to GP-US932 / GP-KH232	
FPGA	Convert YUV 422 to LVDS	
Features		
Output	USB	USB 2.0
	RJ45	X
Function	Capture Full-HD Video signal from Panasonic CCU board (KH232/US932) and encode with H.264/JPEG compression. Encoded video is recorded to USB stick or transferred to IP network via Ethernet IF.	
Outline	Printed Circuit Board	
Pararell I/O (for Switch Input)	<ul style="list-style-type: none"> - USB Media mount/unmount - Start Recording - Stop Recording - Foot Switches x3 	
Pararell I/O (for LED light control)	<ul style="list-style-type: none"> - USB media mount - RECORDING Status (REC / PLAY / Firmware update / Error) - LINK - ACT 	
Clock	<ul style="list-style-type: none"> - Realtime Clock IC equipped - Back up with Litium Battery 	
Serial communication	User's CPU to REC & NW Board: 8pin Connector, +3.3V level UART	

SYSTEM COMPONENTS



GP-KH232CB Control Board

- Supports GP-KH232HE/HU
- Output: YUV, HDMI, YPbPr, Y/C, Video
- RS232C (3.3V) remote control
- Dimension: app. 104 x 139 x 10 mm



GP-KH232HU Remote Head Module

- 1/3" type MOS with Full-HD Pixel
- Flex cable connector
- Dimension: 25 x 23 x 19 mm



GP-KH232 Cable Component

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



GP-RC100CB

- Supports GP-KH232CB & GP-US932CBSX
- Trigger input and footswitch connector
- USB PIN connector
- RJ45 (streaming & web access)



GP-US932CBSX Control Board

- Supports GP-US932HXE/HUX
- Output: HDSDI, HDMI, YUV and analogue
- RS232C (3.3V) remote control



GP-US932HUX Remote Module Head

- 1/3" type 3MOS with Full-HD Pixel
- C-Mount
- Dimension: app. 27 x 30 x 34 mm



GP-US932 Cable Component

- Non-assembled raw cable in black
- Outer diameter 7.0 mm
- Suitable for medical applications

Panasonic

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