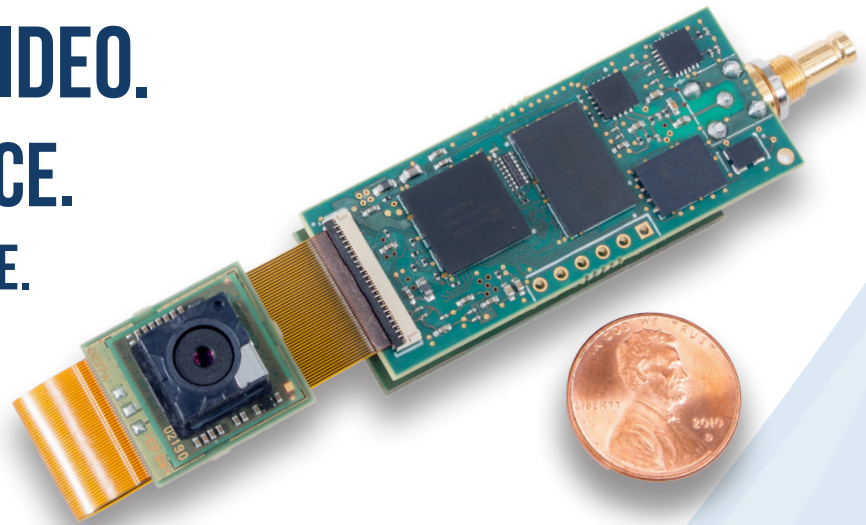


**HIGH DEFINITION VIDEO.**  
**ROBUST INTERFACE.**  
**SMALLEST PACKAGE.**



**The PM-CIBI-130 HD-SDI Camera Interface Board enables exceptionally compact HD video solutions with the Sony FCB-Micro block cameras.**

The Pegasus CIBI-130 is a highly compact HD-SDI interfacing solution for the Sony FCB-Micro family of camera modules. It enables camera integrators to harvest the full advantage of the compact FCB-Micro camera module size in professional video applications.

The SMPTE HD-SDI interface allows robust transmission of high definition 720p and 1080p video over long distances using standard 75Ω coaxial cable. With the CIBI-130 and the Sony FCB-Micro camera, high definition video can be transmitted from highly constrained spaces, to be used in professional A/V systems.

The CIBI-130 implements a SMPTE 292M HD-SDI interface, providing SMPTE 296M (720p30) and SMPTE 274M (1080p30) video streaming options.

A unique feature of the CIBI-130 is the control of FCB-Micro modules over the VISCA protocol, facilitating integration of the module in systems and applications interoperable with Sony's FCB block camera modules. The VISCA protocol operates over a standard RS-232 interface, which can be reconfigured to RS-485 for long distance control.

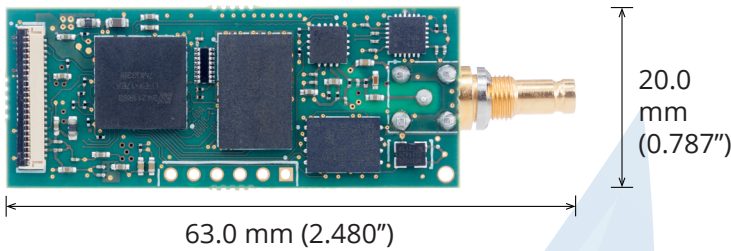
### Features

- ◇ Interface to Sony FCB-Micro
  - FCB-MA13x
- ◇ SMPTE 292M HD-SDI interface
- ◇ Video
  - 720p30
  - 720p60
  - 1080p30
- ◇ Control over RS-232 or RS-485
  - VISCA protocol support

### Advantages

- ◇ Small footprint
- ◇ Robust design
- ◇ Lightweight
- ◇ VISCA compatible
- ◇ Long-reach control

## Specifications



The CIBI-130 includes nonvolatile storage allowing persistent storage of camera parameters. The default setup provides 1080p30 video streaming with the FCB-Micro camera connected directly out of the box. The control serial link can operate as RS-232 or RS-485, selectable via on-board DIP switches.

The CIBI-130 interfaces with the FCB-Micro's parallel CMOS interface or the MIPI CSI-2 interface. YCbCr 4:2:2 data or MIPI CSI-2 data is transferred over a 45 pin, 0.5mm pitch FFC/FPC cable. External 5-12V DC power is supplying both the camera module and the CIBI-130. All of the required voltage regulators required to power the FCB-MA130 camera module are integrated.

## Applications

Professional video and broadcast; Surveillance; Machine vision; Inspection; Medical imaging; Unmanned Aerial Vehicles (UAVs); Remotely Operated Underwater Vehicles (ROVs)

<b>Output modes (Video)</b>	1920x1080 @ 30fps SMPTE 274M 1280x720 @ 30 fps SMPTE 296M 1280x720 @ 60 fps SMPTE 296M
<b>Camera control</b>	VISCA Protocol FCB-EV7500 compatible RS-232 RS-485
<b>Connectivity (input)</b>	Sony FCB-Micro series FCB-MA13x 16-bit CMOS Parallel MIPI CSI-2 YCbCr 4:2:2 45-pin 0.35mm pitch FPC/FFC Cable Matching p/n (Molex): 15015-0245
<b>Connectivity (output)</b>	SMPTE 292M HD-SDI DIN 1.0/2.3 Jack Connector
<b>Power</b>	5-12V DC
<b>Dimensions</b>	64.20 x 20.00 x 12.50 mm (2.530" x 0.787" x 0.492")
<b>Weight</b>	13.52 g (0.477 oz)
<b>Mounting</b>	4x M1,6 mounting holes
<b>Environmental</b>	-40°C - 85°C (operation) -40°C - 85°C (storage) <95% Humidity (no condensation)



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