Sensors	SDCM4	PE60_2	PE6000
CMOS			
HAMAMATSU			
S837x	X		
S922x	X		
S11639	X	X	X*
S13496	X	X	X*
S165XX	X	X	X*
NMOS			
HAMAMATSU			
S390x	X	X	
S593x	X	X	
S838x	X	X	
BT CCD			
HAMAMATSU			
S11071		X	
S703x	X	X	
S1014x	X	X	
S10420 / S14650/60	X	X	
S1115x	X	X	
S11850 / S14651/61	X	X	
S1325x	X	X	
InGaAs			
HAMAMATSU			
G92xx	X	X	
G1147x/508	X	X	
G11608	X	X	
G11620/135	X	X	X
G13913	X	X	

* planned

JETI Readout Electronics for image sensors are ideally featured for embedded or mobile spectroscopic applications or other light measurement:

♦ Easy communication via firmware commands or DLL's through various interfaces

♦ Firmware that can be used for general or custom OEM applications in spectroscopy and light measurement

♦ Multiple off-the-shelf solutions and customized boards for integration into various applications

♦ Plug and Play ready on Windows 11

For the individual datasheets see: www.jeti.com

JETI TECHNISCHE INSTRUMENTE GMBH

Readout Electronics
for 1D and 2D image sensors

SDCM4

PE60_2

PE6000

Version: August 2025

SDCM4
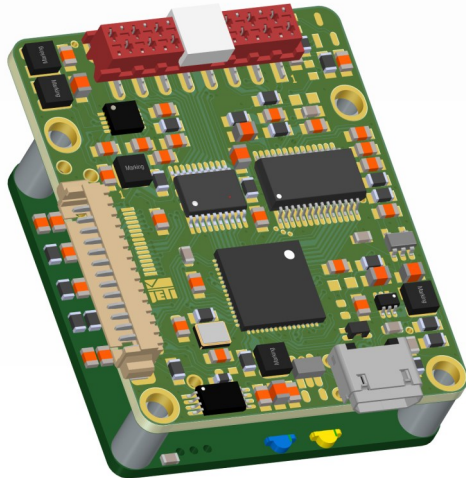
PE60_2
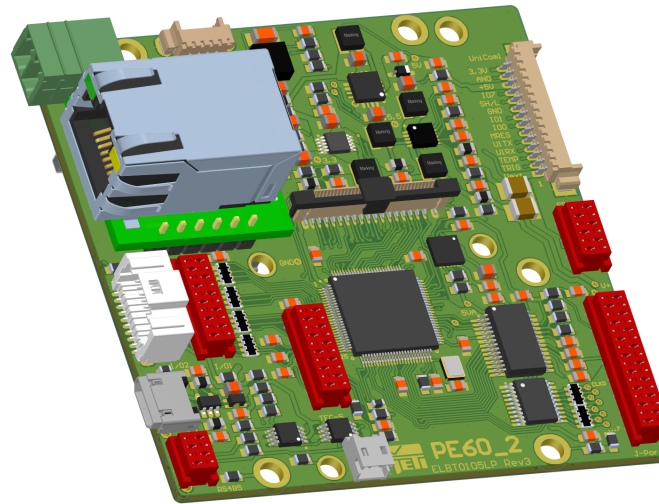
PE6000

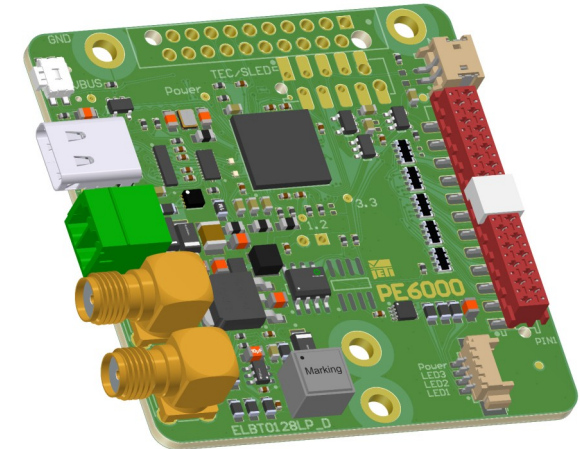| SDCM4	PE60_2	PE6000
Tiny solution for a variety of sensors in mobile or general applications	Read out electronics for high speed, process-control and multichannel applications	SuperSpeed spectrometer electronics for highest speed applications
96 MHz - 32 bit microprocessor	252 MHz - 32 bit microprocessor	MCU-FPGA combination
16 bit 5 MS/s ADC	16 bit 10 MS/s ADC	Continuous 16 bit 10MS/s Datastream
USB 2.0 high speed, TTL-UART	USB 2.0 high speed, Ethernet, TTL-UART, RS422/485	USB 3.2 SuperSpeed with up to 5 Gbit/s
Trigger, Shutter/Lamp and 3(8) GPIO pins	Trigger, Shutter/Lamp, 8(16) GPIO and 3 analog Input pins, 6-28V external Supply	Trigger-IN, Trigger-OUT, 3x status LED, USB-PD 3A/5V, 6-28V external Supply
Onboard averaging, programmable offset and gain, dark-correction, wavelength fit, pixel-binning, filters, user-data, …	Same as SDCM4 + multichannel or full 2D sensor readout	Raw sensor data with programmable offset and gain.
Main board: 36 mm x 45 mm x 10 mm	Main board: 70 mm x 70 mm x 20 mm	Main board: 56 mm x 58 mm x 14 mm
Compatible TEC-S Add-on board with LED/SLED/LASER driver and thermal peltier regulation available		

Please contact sales@jeti.com for other sensors and custom hardware or firmware modifications