

# TIM Interface Overview



BLUETECHNIX  
Embedding Ideas

A detailed pinout can be seen in the  
Hardware User Manuals

TIM-U-19k-S3 PVI-r

TIM-UP-19k-S3 USB 2.0 PVI

TIM-UP-19k-S3 Ethernet

TIM-UP-OPT8140 USB 2.0 PVI

TIM-UP-OPT8241 PVI

<b>PVI - Parallel Video Interface</b> Pin 1 - 29	yes 8 bit	yes 8 bit	-	yes 8 bit	yes 8 bit
<b>CSI - Camera Serial Interface</b> Pin 30 - 43	-	-	-	-	-
<b>I2C Master</b> Pin 44 - 45, 93 - 94	-	yes 1	yes 1	yes 1	yes 1
<b>UART</b> Pin 46 - 47	-	yes	yes	-	-
<b>CAN</b> Pin 48 - 49	-	-	yes		
<b>GPIO</b> Pin 57 - 59	-	yes 3	yes 3	yes 3	yes 3
<b>Ethernet</b> Pin 61 - 73	-	-	yes 10/100 Mbit/s UDP		
<b>SPI (Firmware Update)</b> Pin 76 - 79	yes	yes	yes	yes	yes
<b>USB 2.0</b> Pin 84 - 92	-	yes	-	yes	-
<b>LIM - Modulation Interface</b> Pin 51 - 55	yes	yes	yes	yes	yes