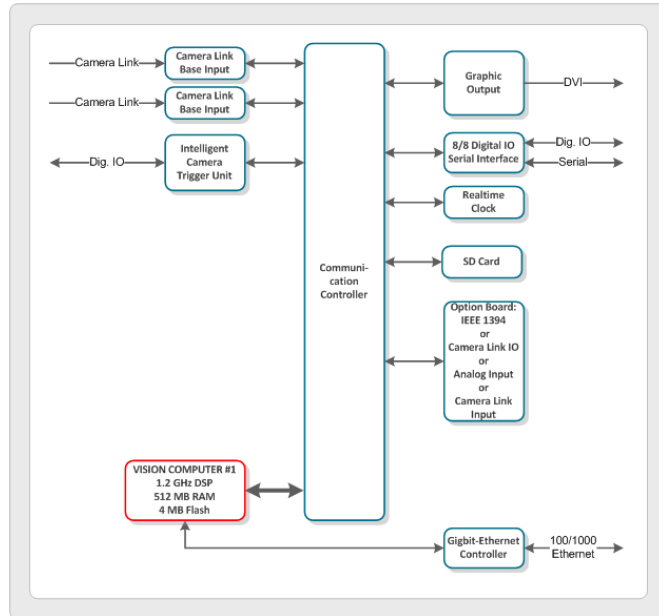


## Product name: VisionBox Quad+ Type 1

Camera Link input / 1000 Mbit/s Ethernet / SD Card

### Product photo and block diagram:



### Product description:

The VisionBox Quad beats the records concerning computing power per volume. The computer is optimized for high-performance-applications and supports "Camera Link" cameras primarily. Via 1000 MBit/s Ethernet interface data is exchanged between other systems. Computing power of 9600 MIPS to 38400 MIPS is made possible by the system's modular construction. Please compare: Today intelligent camera processors work in the area of 3200 to 8000 MIPS. A 2 GHz Dual Core PC is similarly as fast as a 8000 MIPS DSP. Main applications are web inspection, print inspection and food sorting machines.

### Key features:

- 1.2 GHz processor, 9600 MIPS
- 512 MB SDRAM, 4 MB Flash EPROM, SD Card
- Dig. IOs, serial interface
- Incremental encoder interface
- 2x Camera Link base input
- 1000 MBit/s Ethernet interface

### Technical data:

	Description	[Unit]	Value
General	Processor frequency	[MHz]	1200
	Calculation power of the processor	[MIPS]	9600
	Processor manufacturer, type		Texas Instruments TMS320C6455
	SDRAM	[MByte]	512
	Flash EPROM	[MByte]	4
	SD Card	[GByte]	> 1
	Digital inputs / outputs, optocoupled		8 / 8
	Delay between digital input and trigger start of a camera	[µs]	Typ. 20
	Serial interface max. 115 kBaud		1
	Camera Link base connectors		2
	Usable as Camera Link medium connectors		yes

	Additional Camera Link base connectors as interface cards		(4 Option)
	Additional IF-Cards usable as Camera Link medium connectors		(yes)
	Ethernet TCP/IP, FTP	[MBit/s]	1000
	Ethernet monitor, keyboard and mouse using a web browser		yes
	DVI monitor output typical resolution	[pixel] x [pixel] @ [Hz]	(1280 x 1024 @ 60 Option)
	DVI monitor output maximal resolution	[pixel] x [pixel] @ [Hz]	(1600 x 1200 @ 60 Option)
	PS/2 Keyboard input		(1 Option)
Mech-EI	Power supply	[VDC]	12
	Power consumption	[Watt]	<10
	Dimension	[mm x mm x mm]	174 x 248 x 58
	Weight	[g]	1700

### Interface card placement:

	Connector Type	Connected Interface Card
Interface board A	A	free
Interface board B	A	free

### Additional information for OEM configurations:

- Each interface of the connector type A can be mixed with each other or moved to a different position.
- For a list of available interface cards, please refer to our interface specification.
- Please ask for a fieldbus integration.
- A downgrade of unused interface cards is also possible.

### Dimension:

