

TwinCAT 3 Vision



i TF700x | TC3 GigE Vision Connector

TC3 GigE Vision Connector offers the possibility to integrate GigE-Vision cameras directly into the TwinCAT architecture. The cameras are configured in the same development environment as fieldbus components or axes without any third-party software. Triggered from the real-time, image capture and PLC or motion control can be operated highly synchronised.

The configuration is carried out completely in TwinCAT Engineering. Wizards are available for setting the camera parameters and for calibration and simulation. Via the source control file it is possible to read images stored on a drive and to make them available to the real-time. The programming of image processing tasks can be prepared and tested offline in advance.

TF7000 TC3 GigE Vision Connector Base provides the basis for communication and features two camera connections. Optional packages are available for 2, 4 or 8 additional cameras.

Technical data	TF700x
Required	TC1200, TC1300
Target system	Windows 7/8/10

Ordering information	TF7000 (including 2 camera connections)
TF7000-0050	TC3 GigE Vision Connector Base, platform 50 (Performance Plus)
TF7000-0060	TC3 GigE Vision Connector Base, platform 60 (Mid Performance)
TF7000-0070	TC3 GigE Vision Connector Base, platform 70 (High Performance)
TF7000-0080	TC3 GigE Vision Connector Base, platform 80 (Very High Performance)
TF7000-0081	TC3 GigE Vision Connector Base, platform 81 (Many-core 5...8 Cores)
TF7000-0082	TC3 GigE Vision Connector Base, platform 82 (Many-core 9...16 Cores)
TF7000-0083	TC3 GigE Vision Connector Base, platform 83 (Many-core 17...32 Cores)
TF7000-0084	TC3 GigE Vision Connector Base, platform 84 (Many-core 33...64 Cores)
TF7000-0090	TC3 GigE Vision Connector Base, platform 90 (Other)
TF7000-0091	TC3 GigE Vision Connector Base, platform 91 (Other 5...8 Cores)
TF7000-0092	TC3 GigE Vision Connector Base, platform 92 (Other 9...16 Cores)
TF7000-0093	TC3 GigE Vision Connector Base, platform 93 (Other 17...32 Cores)
TF7000-0094	TC3 GigE Vision Connector Base, Plattform 94 (Other 33...64 Cores)

Further packs	
TF7001-00pp	TC3 GigE Vision Connector Pack 2
TF7002-00pp	TC3 GigE Vision Connector Pack 4
TF7003-00pp	TC3 GigE Vision Connector Pack 8

i Product announcement	estimated market release 2nd quarter 2019
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