
Matrox AltiZ Firmware Version 0.6
Release Notes
February 2021
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Version : 0.6.21021405
Description: Matrox AltiZ Firmware update

Standards compliance:

- Compliant GigE Vision version 2.2.
- Compliant GenICam SFNC version 2.6.
- Compliant GenICam GenDC version 1.0.

Matrox AltiZ version 0.6 changes:

- Added controls and inquires to set the pose of the Transformed coordinate systems with respect to the Anchor coordinate system (Scan3dCoordinateTransformSelector, Scan3dTransformValue).
- Added controls and inquires to retrieve the pose of the Anchor and Transformed coordinate systems with respect to the Reference coordinate system (Scan3dCoordinateReferenceSelector, Scan3dCoordinateReferenceValue).
- Added support for motion pitch and motion yaw (Scan3dMotionPitch, Scan3dMotionYaw).
- Added inquires for the minimum and maximum value of the selected coordinate axis (Scan3dAxisMin, Scan3dAxisMax).
- Added support for the acquisition error and missed line trigger GigE Vision events (AcquisitionError, LineTriggerMissed). Use with Matrox Capture Works requires the latter to be Version 10.41.2926 or later.
- Added an inquire for the current encoder divider.
- Added the ability to redirect a line input to a line output (LineSource).
- Added support for the GigE Vision manifest table.
- Added the ability to set a persistent static IP.
- Added an inquire for the current GigE Vision IP configuration (LLA, DHCP or persistent IP).
- Added inquires for the current GigE Vision subnet mask and default gateway.

- Improved the accuracy of GigE Vision timestamps.
- Improved support of dynamic changes in network configurations.

- Changed the maximum exposure time to 1 second.
- Changed the default value of Scan3dPeakFusionDistanceMax (which now depends of the device model).
- Changed the device version numbering format (DeviceVersion).

- Changed the return type of the device clock frequency to float (DeviceClockFrequency).
- Fixed an issue with the counter value being off (CounterValue).

Matrox AltiZ version 0.4 changes:

- Added new userset: Intensity.
- Added support for timestamps in GigE Vision GVSP and GenDC headers.
- Added Test Payload Format Mode.
- Added new features under the Device Control category:
 - Device Clock Frequency.
 - Timestamp Reset command.
 - Timestamp Latch command.
 - Timestamp Latch Value.
- Added new features under the Transport Layer Control category:
 - GenDC Streaming Status.
 - GenDC Streaming Mode.
 - GEV SCPD for setting interpacket delays.
- Fixed the camera connection issue when the network is not present (when the camera boots up or when the network configuration changes).
- Fixed issue when grabbing Intensity and the Synchronization Mode is set to Alternating.
- Fixed issue when setting UserSet values after a power cycle.