WEB INTERFACE MANUAL 3.2

Important new features for Videotec cameras with the firmware update.

Videotec has recently announced the release of a major firmware update (3.2). Alongside further improvements of existing features, this update also introduces a considerable number of new functions to Videotec cameras.

Thanks to Videotec proprietary know-how, their internal R&D team regularly releases new firmware several times a year, with updates shared and distributed across the entire product range. Each update adds innovative enhancements and features and renews the level of cybersecurity, ensuring all pre-existing compatibility with third-party systems. This firmware 3.2 upgrade can be installed on camera models: ULISSE EVO (all versions) — ULISSE COMPACT Delux - NXPTZ Delux - MPX Delux- MPX SERIES2 (all versions) — MMX - MVX Delux — MVXT — NVX - NTX.

Main features added:

1- Implementation of GeoMove&Track function: this is a form of cooperation between two Videotec cameras. This feature allows cameras to communicate with each other using intelligent language and create advanced actions even in the most common video surveillance systems.

Typically, the GeoMove&Track activity is performed using a fixed camera or PTZ, with Videotec on-board analytics, which carries out detection in a certain area. When a target is sighted, this camera sends the target's geo-coordinates to a second PTZ camera, which uses them to frame the target. In addition, if the second PTZ is also equipped with analytics functions, it will in turn activate detection and autotracking.

GeoMove&Track can interface with third-party software that provides the geo-coordinates of an object, for example Video Management Software (VMS) for traditional video surveillance to show targets on

maps, or Vessel Tracking Service (VTS) systems for navigation control services, also in combination with radar control systems.

Thanks to GeoMove&Track, the Videotec fixed camera and PTZ system offers the advantage of having a complete, turnkey positioning and tracking solution, guaranteed by Videotec, without having to resort to third-party plug-ins or software assembled by various suppliers.

2- Two Virtual Inputs (10 and 11) have been added for devices with incorporated radiometric thermal camera, using which an automatic action can be associated with certain predefined ONVIF events, which will activate the VMS according to the set parameters. The two Virtual Inputs 10 and 11 can be associated with radiometric thermal cameras (e.g. exceeding of temperature limits) and also with other types of events, such as video analytics alarms. In certain VMS systems the description of the inputs can be personalized.

3- Implementation of "TAMPERING DETECTION" function on all Videotec cameras:

 the ONVIF event is sent to the VMS in case of tampering with the device, intended as the sudden modification of the entire scene (for example if the camera is obscured by an object or spray).

4- Two network authentication methods have been implemented: EAP-TTLS and EAP-PEAP, which ensure an even stronger level of cybersecurity.

5- Addition of three "SCHEDULERS" using which time intervals can be configured, which once activated can be associated with an action. Up to 3 different Schedulers can be configured. When one of the time intervals in any of the Schedulers is activated, the ONVIF event will be generated (e.g. relay closure, Preset Tour activation, preset position or start washer). Schedulers can be set from the web page or ONVIF VMS for compatible software.

6- Introduction of complete support for ONVIF PRESET TOUR management:

without entering the web pages of the device, through VMS systems that support this function, it is now possible to define, delete, modify, enable and disable up to 255 Preset positions and, using the Start Preset and Stop Preset commands, start the Patrol function.

7- The MJPEG stream can now be viewed directly from the browser with HTTP. The MJPEG video stream can be set with a refresh rate up to 30fps. Used for integration with industrial or SCADA systems.

8- Implementation of SNMP MIB files commands to allow the export of useful diagnostic information concerning the operating status of the camera, which can be used with various industrial or SCADA type systems requiring this type of protocol.

9- Reorganization of the OSD for greater customization, allowing the following possibilities: - positioning of the string at the top left or top right -choice of background color -temperature enabling (available only with radiometric thermal cameras) -date / time enabling (UT or LT).

10- Improved operation and management of radiometric thermal cameras:

The device can be configured to independently generate a Radiometric Alarm and/or Radiometric Warning via ONVIF Events sent to the VMS. This function is particularly useful in controlling industrial processes.

Example: The event can be sent when:

-the temperature is below a settable value.

 -the temperature is above a settable value.

-the temperature is between two settable values.

-the temperature is outside two settable values.

Advanced versions of radiometric thermal cameras also include the possibility to:

-define up to 5 Regions of Interest (ROI) for each preset location.

-select between three different minimum, medium and maximum temperatures when setting the radiometric rules, which can be indiscriminately associated with one of these three limits being exceeded.

-enable OSD viewing of the temperature.

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Moreover, ROIs are now scaled in proportion to the digital zoom: with a forward zoom the ROI widens, with a backward zoom the ROI narrows. ROIs on PTZ are set to the preset PAN and TILT position (not ZOOM), which means they change in proportion to the zoom level.

Installation of the new firmware 3.2.0 is only possible if the pre-installed release is 2.2.10 and can be downloaded from the Tech Support section of our website. Videotec has a strong presence in several vertical markets with prestigious references in transportation and traffic, marine and industrial, energy and offshore and onshore oil & gas industry.

Please visit the Technical Support section of our website techsupport@videotec.com for more information.