

# VYKON Video Datasheet

## Overview

VYKON Video by Tridium is an open video framework solution designed to integrate diverse manufacturer devices and protocols into a unified, smart facility management system. Built on Tridium's Niagara<sup>AX</sup> Framework<sup>®</sup>, VYKON Video integrates with IP and analog based systems to create complete interoperability between video, security, lighting, energy management, and building automation for any facility.



The VYKON Video solution is a comprehensive video model that works with digital video recorders, IP cameras, network video recorders, and video management solutions. The video model supports a bi-directional alarming interface allowing event driven communication between video and Niagara based applications. The integrated alarm monitoring and video recall console allows system administrators to immediately review and assess video associated with alarm conditions. A single, Niagara integrated application provides in-depth review of the entire facility through a browser based user experience.

## Features

- Bi-directional alarming interface between Niagara<sup>AX</sup> stations and video products
- Niagara<sup>AX</sup> alarm extensions can initiate events in video subsystem
  - ♦ Automatically redirect camera and start video recording
  - ♦ Create video system alarm record and associate recorded video
- Video system events such as video motion detection and camera loss alarms can be processed as standard Niagara alarms
  - ♦ Video alarms available in Niagara alarm console with available hyperlink to event video
  - ♦ Initiate control logic sequences such as lighting control, building lockdown, etc.
- Ability to view live video through Niagara<sup>AX</sup> graphical user experience
- Supports pan, tilt, zoom, iris, and focus camera control
- Query video subsystem for stored video and playback by time and date
- Integrated video playback with Niagara alarm console
- Customizable user experience through extensive video widget library (PX pages)
- Optional video routing through Niagara driver

## Platforms Supported

- Driver requires Niagara<sup>AX</sup> 3.2 and higher
- Video drivers available on Security and BAS platforms

Model	Part #	Restrictions
AX Supervisor	S-AX	No Set Limit
SoftJACE	SJ-1M-AX	No Set Limit
Security JACE 6	SEC-J-601	Maximum of 16 cameras
JACE 6	J-600	Maximum of 16 cameras, requires NPM-256 memory option

## Ordering Information

Manufacturer	Part #	Description
	DR-S-DED-AX	Required base AX Supervisor license for Dedicated Micros driver. Includes support for up to 16 cameras.
	DR-S-DED-4	Additional 4 cameras license for AX Supervisor Dedicated Micros driver. (DR-S-DED-AX above is prerequisite)
	DR-DED-AX-4	Required base license for supported JACE platforms. Includes support for 4 cameras. Maximum of 16 cameras allowed on supported JACE platforms.
<b>Axis Communications</b>	DR-S-AXS-AX	Base Axis Communications Driver for AX Supervisor – supports up to 16 cameras.
	DR-S-AXS-4	Additional 4 camera license for AX Supervisor Axis Communications Driver. (DR-S-AXS-AX above is prerequisite)
	DR-AXS-AX-4	Axis Communications Driver for JACE Controllers – supports up to 4 cameras. JACE 6 or higher, requires expanded memory, max 16 cameras per JACE.
<i>For video drivers not listed, Tridium has an extensive video framework to support the rapid development of additional video subsystem devices. Developers interested in writing additional Niagara<sup>AX</sup> video drivers, please contact Tridium sales support.</i>		

## Architecture



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