

# Synergy Compact

**Synergy Compact, available in Pro and Ultra formats, provides a powerful and flexible solution that combines viewing, recording, and management of video and alarms with a secure and robust hardware platform.**



The on-board Synergy 3 command and control software provides users with intuitive access to fundamental operational tools such as camera controls, video playback and incident management, all displayed in a user-friendly layout. With a touch-screen graphical interface and mapping engine, camera selection is as simple as pointing to a map of the facility. Video playback controls with time, date and clip length selection, make footage review a simple and efficient process.

Suitable for local deployment, where on-site management is required, and as part of a distributed system connected to an over-arching command and control center, this flexible device is ideal for branch networks, vessels, offshore platforms, remote site facilities and

any other large-scale federated site applications requiring multi-site management from a central location.

Available with up to 32<sup>1</sup> IP video channels, and storage options ranging from 3 – 10.5TB, Synergy Compact can be tailored to meet the site requirements. Units can be stacked to support up to 128 cameras on a single site, giving the option to grow the system as requirements change. To get the system up and running quickly, installation wizards and set-up screens simplify and expedite the installation process with auto-discovery of connected devices and pre-configured default users, sequences and alarm responses.

Synergy Compact supports over 25 manufacturers' IP camera and encoder

ranges, including Synectics, AXIS, Sony, Bosch, Canon and JVC with no additional license fees, and ONVIF support. The Synergy Compact Pro also includes an integrated 300watt PoE switch<sup>2</sup> to enable direct connection of IP cameras removing the need for additional network equipment and local camera power supplies and reducing, complexity and cost.

The Synergy Compact Ultra offers enterprise class RAID 5 redundancy, and the on-board Synergy 3 platform can be upgraded to enable integrations to third party systems.<sup>3</sup>

For secure evidential management, USB storage devices can be utilised for evidence removal with Synergy Compact. Upon insertion of an

appropriate USB storage device<sup>4</sup>, Synergy Compact will automatically configure the drive to be a permanent evidential data store.

The powerful incident management provides a copy of the incident information including watermarking for complete chain of evidence. Additional media format exports are also available.

Fully integrated with Synergy 3 command and control platform, Synergy Compact can be utilised with existing Synergy installations.

**Features**

- Ability to stack units allows the system to grow with your needs.
- 25+ camera manufacturers supported including ONVIF standards.

- Detailed incident and evidence management system including SHA-2 watermarking to ensure the integrity of evidence.
- Automatic health features

<sup>1</sup> Synergy Compact Ultra

<sup>2</sup> IEEE 802.3at

<sup>3</sup> Additional integration driver costs may apply. Please see your Account Manager for details of the available third-party integrations.

<sup>4</sup> Additional configuration software required for USB devices, please see your Account Manager.

## Synergy Compact Features

CAMERA MANAGEMENT & CONTROL	Synergy Compact Pro	Synergy Compact Ultra	Synergy Compact Ultra Enhanced
Camera Tour, Patrols & Sequences	✓	✓	✓
Camera Presets Manager	✓	✓	✓
Live & Digital Pan-Tilt-Zoom (PTZ)	✓	✓	✓
Multi-Camera Image Stitching (Panorama)	✓	✓	✓
Fish Eye Correction	✓	✓	✓
VIDEO PLAYBACK	Synergy Compact Pro	Synergy Compact Ultra	Synergy Compact Ultra Enhanced
Display Simultaneous Live & Recorded Video	✓	✓	✓
Screen Recording Service	✓	✓	✓
Video Search: Time Span Bar, Plus / Minus Minute / Hour / Day, Faster Rewind / Forward	✓	✓	✓
Video Export - Proprietary and Open (AVI, WMV)	✓	✓	✓
Maximum Channels (per unit)	24	32	32
Maximum Channels (per stack)	128	128	128
VIDEO ANALYTICS	Synergy Compact Pro	Synergy Compact Ultra	Synergy Compact Ultra Enhanced
iSynx Compatible	✓	✓	✓
ANPR Manager (Automatic Number Plate Recognition)			Optional*
Synergy Object Count Display	✓	✓	✓
MAPPING	Synergy Compact Pro	Synergy Compact Ultra	Synergy Compact Ultra Enhanced
Basic Map Engine	✓	✓	✓
ALARM MANAGEMENT	Synergy Compact Pro	Synergy Compact Ultra	Synergy Compact Ultra Enhanced
Basic Alarm Management	✓	✓	✓
Advanced Alarm Management			Optional*
INCIDENT MANAGEMENT	Synergy Compact Pro	Synergy Compact Ultra	Synergy Compact Ultra Enhanced
Document Linking	✓	✓	✓
Synergy Server or Stand-Alone Incident Locker	✓	✓	✓
Automated Linkage of Incident to Recorded Video	✓	✓	✓
Incident Creation	✓	✓	✓
Custom Incident Form			✓*
Live Incident Collaboration (Multi-User)			✓
Persons of Interest (POI)			✓

<b>AUDIT, FORMS &amp; REPORTING</b>	<b>Synergy Compact Pro</b>	<b>Synergy Compact Ultra</b>	<b>Synergy Compact Ultra Enhanced</b>
Basic Reporting Engine	✓	✓	✓
Advanced Reporting Engine		✓	✓
Custom Charts, Graphs, Reports & Forms Designer			Optional*
<b>COLLABORATION</b>	<b>Synergy Compact Pro</b>	<b>Synergy Compact Ultra</b>	<b>Synergy Compact Ultra Enhanced</b>
Follow Me	✓	✓	✓
Shift Handover Notes	✓	✓	✓
Multi-Site Functionality	✓	✓	✓
Remote Control			✓
Messenger			✓
Diary Management	✓	✓	✓
<b>AUTOMATION</b>	<b>Synergy Compact Pro</b>	<b>Synergy Compact Ultra</b>	<b>Synergy Compact Ultra Enhanced</b>
Macro Scheduler			✓
Macro Groups			✓
Macro Editor			✓
<b>USABILITY &amp; USER LAYOUTS</b>	<b>Synergy Compact Pro</b>	<b>Synergy Compact Ultra</b>	<b>Synergy Compact Ultra Enhanced</b>
Drag & Drop	✓	✓	✓
Theme Manager (Colour Schemes & Icons)	✓	✓	✓
Multi-Language Support	✓	✓	✓
<b>MONITOR WALL FUNCTIONALITY</b>	<b>Synergy Compact Pro</b>	<b>Synergy Compact Ultra</b>	<b>Synergy Compact Ultra Enhanced</b>
Display Wall Range Compatible	✓	✓	✓
Ticker Tape			✓
Monitor Wall Recording Capable			✓
Drag & Drop Graphs, Reports, Person of Interest (POI), Contacts & Incidents to Wall			✓
Multi-Video Windows			✓
<b>SYSTEM MANAGEMENT</b>	<b>Synergy Compact Pro</b>	<b>Synergy Compact Ultra</b>	<b>Synergy Compact Ultra Enhanced</b>
Installation Wizards & Device Discovery	✓	✓	✓
Backup & Restore	✓	✓	✓
Device Maintenance Details	✓	✓	✓
Active Directory Integration	✓	✓	✓
Operational Logs	✓	✓	✓
System Health Information	✓	✓	✓
User Management & Profiles	✓	✓	✓
Web Server Channels (LAN Based)	4	4	4
Multi-Site System Support	✓	✓	✓
Network Bandwidth Manager	Optional	Optional	✓
Simple Network Management Protocol (SNMP) Support	✓	✓	✓
<b>FAULT MANAGEMENT</b>	<b>Synergy Compact Pro</b>	<b>Synergy Compact Ultra</b>	<b>Synergy Compact Ultra Enhanced</b>
Manual Fault Reporting	Optional	Optional	✓
Automated Fault Management			✓

# Specifications

STORAGE PROFILE	Synergy Compact Pro	Synergy Compact Ultra
Maximum	24 Cameras at 96 mbps Total	32 Cameras at 128 mbps Total
Storage	3.5TB Raid 1, 7 TB JBOD	10.5 TB RAID 5
Hot Swap Drives	N/A	Yes
IT ARCHITECTURE	Synergy Compact Pro	Synergy Compact Ultra
O/S	Microsoft Wes7	Microsoft Wes7
Ports	1 x RS232	Via IP Device
USB	4, 2 Front Mounted	6, 1 Front Mounted
Ethernet	2 x 1000BT NIC's / 1 x LAN / 1 x WAN + GBIC Connectivity	2 x 1000BT NIC's Teamed
POE Switch	24 Port 300w Total Draw	N/A
Display Connections	1 x VGA / 1 x HDMI	1 x VGA / 1 x DVI / 1 x HDMI / 1 x DP
Active Monitor Connections	1	2
PS2 Compatibility	N/A	1x Combined Port
Audio In	Via Camera or Encoder	Via Camera or Encoder
Audio Out	Via HDMI and 3.5 mm	Via HDMI, SPDIF and 3.5 mm
SSD OS Drive	Yes	Yes
APPLIANCE FUNCTIONALITY	Synergy Compact Pro	Synergy Compact Ultra
Lockable Front Panel	N/A	✓
Synectics Advanced Health Monitor	✓	✓
Rack Kit Included	Rack Ears	✓
Device Discovery Tools	✓	✓
Advanced Motion Detection	✓	✓
Synergy Alarm Management System	✓	✓
USB Evidence Removal	✓	✓
System Stacking	✓	✓
Enterprise Class Mapping Environment	✓	✓
eSATA Connection	✓	✓
3rd Party Interface Compatible	N/A	✓
Max Video Windows	5+1 Layout	16 (4x4 Layout)
Integrated Web Streamer	✓	✓
Client Connections	4	4
Video RTP Limits	96 mbps	128 mbps
Maximum Linked Units	128 Cameras	128 Cameras
Virus Protection Included	✓	✓
EX250 Keyboard Compatible	✓	✓
EX100 Keyboard Compatible	✓	✓
Navigator Compatible	✓	✓
POWER	Synergy Compact Pro	Synergy Compact Ultra
Power Consumption	75w Normal – 150w Max (Plus IP Cameras up to 300w)	75w Normal – 150w Max
Power Input	100 - 240VAC	100 - 240VAC
BTU's	255 per Hour	255 per Hour
GENERAL	Synergy Compact Pro	Synergy Compact Ultra
Size (H x W x D)	1u – 45 mm x 430 mm x 420mm / 1.7" x 17" x 16.5"	2u – 90 mm x 430 mm x 560 mm / 3.5" x 17" x 22"
Weight	8 kg / 17.6 lb	15 kg / 33 lb
Operating Temperature	18°C-21°C Recommended, Max 26°C	18°C-21°C Recommended, Max 26°C
Storage Temperature	-20°C-80°C	-20°C-80°C
Humidity	5% to 90% Non-Condensing, 40% Recommended	5% to 90% Non-Condensing, 40% Recommended
Certifications and Approvals	RoHS Compliant EMI / EMC Certification	RoHS Compliant EMI / EMC Certification

## Synectics

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Specifications subject to change. E & OE.

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