

# Synectics Synergy™ Client Range



**Synectics Command and Control workstations manage video, data and alarms with Synergy.**

Synectics Synergy Client Range, available in Micro, Pro and Ultra formats, provides high-powered workstations for the Synergy 3 command and control platform.

With a powerful CPU and high speed graphics capability, Synergy Clients efficiently display full frame rate video streams with unparalleled user-friendly camera, monitor wall, PTZ and DVR/NVR control.

Configurable with up to four monitors<sup>1</sup> (with up to two dedicated for video) at up to 4K resolution, optional touchscreens and a variety of PTZ

controllers, Synectics' range of Clients have been designed to allow the user to select the format that best meets the site requirements.

When displaying high numbers of HD camera streams Synergy 3 will automatically switch from streaming the primary HD stream to the secondary HD stream<sup>2</sup>, to ensure full frame rate high-quality video is still presented, without perceived quality loss. This allows for a high camera count to be displayed irrespective of the SD, HD or 4K camera mix.

## Features

- Simultaneously display live/recorded analog, standard definition and HD IP cameras
- Open integration design supports both ONVIF and PSIA protocol standard devices
- Automatic camera bit rate management enables the view of a high number of video playback windows
- Scalable to hundreds of clients per site



A powerful, yet compact device, the Synergy Client Micro is ideal for entry level deployments requiring basic video management, such as reception areas, guard stations and remote facilities. The optional VESA<sup>3</sup> mount makes the Micro well-suited for installations where space is a premium.

Designed for larger-scale control room deployments, the Synergy Client Pro delivers superior video reproduction across two monitors, and camera control with exceptional operational, fault, and alarm and integration management. Available in desk, wall or rack mount formats, the Synergy Client Pro is a flexible solution for any control room environment.

The Synergy Client Ultra<sup>4</sup> is the ideal device for command and control systems where one to four Synergy monitors, at up to 4K in resolution, are essential. The Ultra enables additional on-screen information per workstation to be displayed at all times, as well as an additional spot monitor for further video playback.

<sup>1</sup> See technical specification for full details

<sup>2</sup> Secondary stream functionality must be supported by the camera

<sup>3</sup> Unit can be mounted directly to the back of a monitor using VESA mount options of 75 mm (2.953”) or 100 mm (3.937”)

<sup>4</sup> Ultra configuration is map monitor, playback monitor, alarm monitor and spot monitor or part thereof.

## H.264 Specifications

CLIENT	Number of Monitors Total	Number of Video Monitors	Maximum Video Windows	Maximum SD <sup>5</sup> Windows	Maximum HD <sup>6</sup> Windows	Maximum HD 60fps <sup>7</sup> Windows	Maximum 4K <sup>8</sup> Windows
Micro	1	1	9	9	6	0	0
Pro	2	2 <sup>9</sup>	32 (4x4 + 4x4)	32 (4x4 + 4x4)	17 (Spot + 4x4)	0	0
Ultra	2	2	32 (4x4 + 4x4)	32 (4x4 + 4x4)	32 (4x4 + 4x4)	8 (2x2 + 2x2)	2 (1+1)
	3-4	2	32 (4x4 + 4x4)	32 (4x4 + 4x4)	25 (4x4 + 3x3)	8 (2x2 + 2x2)	2 (1+1)

<sup>5</sup> – 2.0Mbps D1 25/30 FPS

<sup>6</sup> – 6.0Mbps 1080p 25/30 FPS

<sup>7</sup> – 6.0Mbps 1080p 60 FPS

<sup>8</sup> – 18.0Mbps 4k 25/30 FPS

<sup>9</sup> – Requires Synergy Extend Custom Layout

IT ARCHITECTURE			
CPU	Intel i5 Broadwell (Micro) / Intel i5 Kaby Lake (Pro) / Intel i7 Kaby Lake (Ultra)		
RAM	8GB DDR3 (Micro) / 16GB DDR4 (Pro / Ultra)		
O/S	Microsoft IOT		
OS Disk	256 GB MSATA		
PORTS	Micro	Pro	Ultra
USB	Front Side - x2 USB3 Rear - x2 USB3	Front Side - x2 USB2 Rear - x4 USB3	Front Side - x2 USB2 Rear - x4 USB3
Ethernet	1 x 1000BT NIC	2 x 1000BT NICs Teamable	2 x 1000BT NICs Teamable
Display <sup>10</sup>	1 x HDMI or Mini DP	2 - 1 x Displayport / HDMI and 1 x HDMI	4 x Mini DP / HDMI
Audio	Line-out / Display	Line-out / Display / Mic-in	Line-out / Display / Mic-in
Serial Connection	Via IP Device	1	1
POWER	Micro	Pro	Ultra
Hot Swap PSU	N/A	N/A	N/A
Power Consumption	Max 65w / Norm 40w	Max 110w / Norm 25w	Max 195w / Norm 30w
BTU's	138 per hour	240 per hour	340 per hour
Supply	100-240 VAC 3.43A 50-60Hz	100-240 VAC 2-4A 50-60Hz	100-240 VAC 3.5-7A 50-60Hz
GENERAL	Micro	Pro	Ultra
Size (H x W x D)	116.6 mm x 112 mm x 49 mm / 4.5" x 4.4" x 1.9"	90 mm x 250 mm x 200 mm / 3.5" x 10" x 7.8"	190 mm x 210 mm x 340 mm / 7.5" x 8.2" x 13.3"
Weight	0.5 kg / 1 lb	3 kg / 6 lb	5 kg / 10 lb
Operating Temperature	18°C-25°C / 64°F-77°F Recommended, Max 25°C / 77°F	18°C-35°C / 64°F-95°F Recommended, Max 45°C / 110°F	18°C-30°C / 64°F-86°F Recommended, Max 35°C / 95°F
Storage Temperature	-20°C-80°C -4°F-176°F	-20°C-80°C -4°F-176°F	-20°C-80°C -4°F-176°F
Humidity	5% to 90% Non-condensing, 40% Recommended	5% to 90% Non-condensing, 40% Recommended	5% to 90% Non-condensing, 40% Recommended
Certifications and Approvals	CISPR 24, EN 61000-3-2, EN55022, ICES-003, EN 61000-3-3, EN55024, CISPR 22, RoHS, UL 60950-1, IEC 60950-1, EN 60950-1, BSMI CNS 13438, FCC CFR47 Part 15 B, GOST-R, CSA C22.2 No. 60950-1, VCCI V-3, NOM-019-SCFI-1998	RoHS compliant EMI / EMC Certification <sup>11</sup> TUV Certification <sup>11</sup> UL 60950-1:2007	RoHS compliant EMI / EMC Certification <sup>11</sup> TUV Certification <sup>11</sup> UL 60950-1:2007
Virus Protection Included	Yes	Yes	Yes

APPLIANCE FUNCTIONALITY	Micro	Pro	Ultra
Synectics Watchdog Compliant	Yes	Yes	Yes
Rack Kit	N/A	Yes	N/A
Wall Mount	N/A	Yes	N/A
VESA Mount	Yes	N/A	N/A
EX300 Support	Yes	Yes	Yes
EX250 Joystick Support	Yes	Yes	Yes
EX100 Joystick Support	Yes	Yes	Yes
Synergy Compatibility	Synergy Pro Micro Client & Synergy 3 View	Synergy 3 View Synergy 3 Control Synergy 3 Connect Synergy 3 Extend	Synergy 3 View Synergy 3 Control Synergy 3 Connect Synergy 3 Extend
CDR / DVDR	Via External Writer	Via External Writer	Via External Writer

<sup>10</sup> Adapter may be required for monitor connection.

<sup>11</sup> Certification pending

