

AVLYTICS

artificial intelligence for video surveillance



The Most Cost Effective
Artificial Intelligence for Surveillance Solutions

Device Specifications

Version 2.0

INDEX

1. A BOX Device Specifications.....	pg. 3
2. Pi – 8 Channel Device Specifications.....	pg. 4
3. NUK – 16 Channel Device Specifications	pg. 5
4. NUK – 32 Channel Device Specifications	pg. 6
5. NUK – 64 Channel Device Specifications.....	pg. 7
6. Benchmark Specifications for Installations	pg. 8

1. A BOX device Specifications

DEVICE SPECIFICATIONS	
* Number of Channels	V1: Maximum 16 RTSP Streams (live view only). V2: 10 Channels live and recording.
LAN CONNECTION	
LAN Port	YES
Transmission	10 / 100 / 1000 Based – T
Connection to DVR / NVR	Via TCP/ IP
VIDEO	
Resolution	CIF Resolution
Frames Per Second (FPS)	6 FPS
Source Stream	Live only
V1: Number of Channels	16 Live Streams – max 4 simultaneously
V2: Number of Channels	10 Channels live/ recording. Live - max 4 simultaneously. Record - Single Channel Playback.
COMMUNICATION PLATFORM	
Outputs	4x Dry Contact Outputs
V1 and 2 Output Trigger	Trigger via Interface or Telegram
OPERATING VOLTAGE	
Voltage Input	220-230VAC 50hz
Output Voltage	13.8v-14.2v
12vdc Battery Backup	YES
AC Fail Output Rating	140 ma
Backup time	Approximately 1.5 hours (Backup PSU optional)
Nett Weight	3.7kg (Includes 12v 1.4amp Battery)
IP Rating	Only for indoor use
Power LED	YES
Buzzer On AC FAIL	YES (Optional)
Current Draw	3.7 Amp, 5 Volts
* IP or Analogue, or a Combination thereof.	
Please note that specifications may change at any time, contact your service provider for up to date manuals and specification information on a regular basis.	

2. Pi - 8 Channel Device Specifications

DEVICE SPECIFICATIONS - 8 CHANNEL	
Number of AVLYTICS Channels	Maximum 8 RTSP Streams *
LAN CONNECTION	
LAN Port	YES
Transmission	10 / 100 / 1000 Based – T
Connection to DVR / NVR	Via TCP/ IP
VIDEO	
Resolution	CIF Resolution
Frames Per Second (FPS)	6 FPS
Source Stream	Record Stream or Sub Stream
Human Presence Detection	YES
Number of Regions	1
Number of Channels	*8 x CIF or 2 x VGA
COMMUNICATION PLATFORM	
Detection Alerts	Telegram App/ AVTASS IP Base (CID Telemetry)
Inputs	1
Outputs	4
Output Functions Set 1	On/Off; Detection Alarm; A/C Fail; Diagnostic
Output Functions Set 2	Relays / Camera Detection (on request)
Enclosure Tamper	YES
Arming Method	via Telegram App / Schedule / Local Input
Disarming Method	via Telegram App / Schedule / Local Input
OPERATING VOLTAGE	
Voltage Input	220-230VAC 50hz
Output Voltage	13.8v-14.2v
12vdc Battery Backup	YES
AC Fail Output Rating	140 ma
Backup time	Approximately 1.5 hours (Backup PSU optional)
Nett Weight	3.7kg (Includes 12v 1.4amp Battery)
IP Rating	Only for indoor use
Power LED	YES
Buzzer On AC FAIL	YES (Optional)
Current Draw	3.7 Amp, 5 Volts

* IP or Analogue, or a Combination thereof.

Please note that specifications may change at any time, contact your service provider for up to date manuals and specification information on a regular basis.

3. NUK – 16 Channel Device Specifications

DEVICE SPECIFICATIONS - 16 CHANNEL	
Number of AVLYTICS Channels	Maximum 16 RTSP Streams *
LAN CONNECTION	
LAN Port	YES
Transmission	10 / 100 / 1000 Based – T
Connection to DVR / NVR	Via TCP/ IP
VIDEO	
Resolution	VGA Resolution
Frames Per Second (FPS)	6 FPS
Source Stream	Record Stream or Substream
Human Presence Detection	YES
Number of Regions	1
Number of Channels	* 16 x 1MP
RAM	8 GB
COMMUNICATION PLATFORM	
Detection Alerts	Telegram App/ AVTASS IP Base (CID Telemetry)
Inputs	1
Outputs	4
Output Functions Set 1	On/Off; Detection Alarm; A/C Fail; Diagnostic
Output Functions Set 2	Relays / Camera Detection (on request)
Enclosure Tamper	YES
Arming Method	via Telegram App / Schedule / Local Input
Disarming Method	via Telegram App / Schedule / Local Input
OPERATING VOLTAGE	
Voltage Input	220-230VAC 50hz
Output Voltage	19.2v
12vdc Battery Backup	n/a
AC Fail Output Rating	n/a
Backup time	n/a
Nett Weight	
IP Rating	Only for indoor use
Power LED	YES
Buzzer On AC FAIL	n/a
Current Draw	
* IP or Analogue, or a Combination thereof.	
Please note that specifications may change at any time, contact your service provider for up to date manuals and specification information on a regular basis.	

4. NUK – 32 Channel Device Specifications

DEVICE SPECIFICATIONS - 32 CHANNEL	
Number of AVLYTICS Channels	Maximum 32 RTSP Streams *
LAN CONNECTION	
LAN Port	YES
Transmission	10 / 100 / 1000 Based – T
Connection to DVR / NVR	Via TCP/ IP
VIDEO	
Resolution	VGA Resolution
Frames Per Second (FPS)	6 FPS
Source Stream	Record Stream or Substream
Human Presence Detection	YES
Number of Regions	1
Number of Channels	*32 x 1MP
RAM	16 GB
COMMUNICATION PLATFORM	
Detection Alerts	Telegram App/ AVTASS IP Base (CID Telemetry)
Inputs	1
Outputs	4
Output Functions Set 1	On/Off; Detection Alarm; A/C Fail; Diagnostic
Output Functions Set 2	Relays / Camera Detection (on request)
Enclosure Tamper	YES
Arming Method	via Telegram App / Schedule / Local Input
Disarming Method	via Telegram App / Schedule / Local Input
OPERATING VOLTAGE	
Voltage Input	220-230VAC 50hz
Output Voltage	19.2v
12vdc Battery Backup	n/a
AC Fail Output Rating	n/a
Backup time	n/a
Nett Weight	
IP Rating	Only for indoor use
Power LED	YES
Buzzer On AC FAIL	n/a
Current Draw	

* IP or Analogue, or a Combination thereof.

Please note that specifications may change at any time, contact your service provider for up to date manuals and specification information on a regular basis.

5. NUK – 64 Channel Device Specifications

DEVICE SPECIFICATIONS - 64 CHANNEL	
Number of AVLYTICS Channels	Maximum 32 RTSP Streams *
LAN CONNECTION	
LAN Port	YES
Transmission	10 / 100 / 1000 Based – T
Connection to DVR / NVR	Via TCP/ IP
VIDEO	
Resolution	VGA Resolution
Frames Per Second (FPS)	6 FPS
Source Stream	Record Stream or Substream
Human Presence Detection	YES
Number of Regions	1
Number of Channels	*32 x 1MP
RAM	16 GB
COMMUNICATION PLATFORM	
Detection Alerts	Telegram App/ AVTASS IP Base (CID Telemetry)
Inputs	1
Outputs	4
Output Functions Set 1	On/Off; Detection Alarm; A/C Fail; Diagnostic
Output Functions Set 2	Relays / Camera Detection (on request)
Enclosure Tamper	YES
Arming Method	via Telegram App / Schedule / Local Input
Disarming Method	via Telegram App / Schedule / Local Input
OPERATING VOLTAGE	
Voltage Input	220-230VAC 50hz
Output Voltage	19.2v
12vdc Battery Backup	n/a
AC Fail Output Rating	n/a
Backup time	n/a
Nett Weight	
IP Rating	Only for indoor use
Power LED	YES
Buzzer On AC FAIL	n/a
Current Draw	

* IP or Analogue, or a Combination thereof.

Please note that specifications may change at any time, contact your service provider for up to date manuals and specification information on a regular basis.

6. Benchmark Specifications for Installations

BENCHMARK SPECIFICATIONS			NUMBER OF CHANNELS PER RESOLUTION				
RESOLUTION	RAM	CAPACITY	4MP	2MP	1MP	VGA	CIF
AVT-308PS	Standard	1MP	-	-	-	2	8
AVT-316PS	8 GB	16MP	4	8	16	28	50
AVT-332PS	16 GB	32MP	7	15	32	48	100
AVT-364PS	32 GB	64MP	14	25	64	*Sq	*Sq
RESOLUTION / LENS / ACCURACY		RESOLUTION INDEX AND CAPACITY CALCULATOR					
CIF – 3.6mm	20 meters	When making use of the resolutions outside of the 1 MP specification, you are able to use multiple resolutions (CIF/ VGA/ 2MP and 4MP) on one AVT device. This excludes the AVT-308PS, which is limited to VGA/ CIF resolution). To do this, take the total MP capacity of your AVT-Device and divide it by the total number of channels / resolution you wish to utilise. By adding the number of CIF (1/8 MP), VGA (1/4 MP) and the MP of the cameras on the site, you are able to calculate the correct settings for your limitation, to not exceed the MP capacity of the device.					
VGA – 4mm	30 meters						
1MP – 6mm	40 meters						
2MP – 6mm	60 meters						
4MP – 8mm	80 meters						

IMPORTANT NOTE:

Additional RAM can be added to an AVT316 – 364 PS if more VGA/ CIF channels are required.

* Sq : Please contact our technical department for more information.