

Technical Note T31-21

VUpoint NVR – camera channels capability

Date	October, 2021
Product Line	VUpoint NVR
P/N	RVNVR08002 – NVR 4 Channels RVNVR04002P – NVR 4 Channels POE RVNVR08002 – NVR 8 Channels POE RVNVR16002 – NVR 16 Channels

1. Introduction

This document brings to your attention the capability of the VUpoint NVR in regard to the professional VUpoint cameras (4MP).

2. Elaboration

2.1 NVR VUpoint capability

Risco VUpoint NVR (4/8/16) is designed to manage (transmit, record, and analyze) a maximum of:

30FPs X # of NVR's channels X 2 MP.

Using the 4MP cameras might reduce the amount of such cameras per NVR.

2.2 Camera resolutions

Max resolution of the 2MP cameras is 1920X1080 pixels

Max resolution of the 4MP cameras is 2560X1440 pixels

(See appendix A below)

From the above we can conclude that the 2MP cameras have about **X 0.75 pixels less** than the 4MP cameras.

It means that for the 4MP cameras, the NVR is processing more pixels on each channel, therefore the 4MP cameras can occupy up to 75% from the NVR's channels.

Thus:

- NVR 4 channels supports up to 3 X 4MP cameras (3 channels)
- NVR 8 channels supports up to 6 X 4MP cameras (6 channels)
- NVR 16 channels supports up to 12 X 4MP cameras (12 channels)
- NVR 32 channels (to be release soon) supports up to 24 X 4MP cameras (24 channels)

Appendix A

4MP cameras resolution

	Full HD 2MP WiFi Cameras			
	WiFi Cube Camera	WiFi Dome Camera	WiFi Bullet Camera	WiFi PT Camera
				
Model	RVCM11W1500A	RVCM32W1600A	RVCM52W1400A	RVCM61H1700A
Max Resolution	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)

	4MP Professional Camera Line						
	4MP Cube Camera	4MP Dome Camera	4MP Bullet Camera	4MP Eyeball Camera	4MP VF Bullet Camera	4MP VF Eyeball Camera	4MP X25 PTZ Camera
							
Model	RVCM11P1800A	RVCM32P1900A	RVCM52P2000A	RVCM72P2100A	RVCM52P2200A	RVCM72P2300A	RVCM82E2500A
Max Resolution	4M (2560 × 1440)	4M (2560 × 1440)	4M (2560 × 1440)	4M (2560 × 1440)	4M (2560 × 1440)	4M (2560 × 1440)	4M (2560 × 1440)

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