GeoVision Face Recognition Panel Comparison

Models / Features	GV-FR Panel V1		GV-FR Panel V2		GV-Mini FR Panel
					
Model	**GV-FR Panel-5**	**GV-FR Panel-10**	**GV-FR Panel V2**	**GV-FR Panel V2-QR**	**GV-Mini FR**
Binocular Cameras					
Camera Type	Built-in RGB & IR cameras		Built-in RGB & IR cameras		Built-in RGB & IR cameras
RGB Camera					
Image Sensor	1/2.7” CMOS		1/2.7” CMOS		1/2.8” CMOS
Minimum Illumination	0.1 lux at F1.8		0.1 lux at F2.0		0 lux
White Balance	Automatic		Automatic		Auto / Manual
S/N Ratio	≥ 45 dB		N/A		N/A
Frame Rate	30 FPS		20 FPS		15 FPS
Dynamic Range	≥ 100 dB		85 dB		74 dB
Touchscreen Panel					
Display	8” HD fully fitted IPS LCD		7” IPS LCD		3.5” IPS LCD
Resolution	800 x 1280		600 x 1024		320 x 480
Capacity					
Face Recognition Distance	1 m (3 ft)		2 m (6.6 ft)		1 m (3.28 ft)
Recognition Angle (FOV) **Vertical**	51°		62°		65°
Recognition Angle (FOV) **Horizontal**	33°		78°		50°
Card Supported	13.56 MHz for ISO 14443A		13.56 MHz for ISO 14443A		13.56 MHz for ISO 14443A
	QR code reading		No QR code reading	QR code reading	No QR code reading
Capacity **Face Image**	10,000		10,000		3,000
Capacity **Card**	10,000		10,000		3,000
Capacity **Event Log**	50,000	100,000	50,000		9,000
Operation Mode (regulated by the GV-ASManager system)	Face Only mode, Card or Face mode, Card + Face mode		Face Only mode, Card or Face mode, Card + Face mode		Face or Card
Face Recognition					
Recognized Face Angle **Tilt (Down / Up)**	-15° ~ 10°		-35° ~ 35°		±10°
Recognized Face Angle **Swing (Left / Right)**	-25° ~ 20°		-35° ~ 35°		±5°

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Network					
Interface		10/100 Ethernet	10/100 Ethernet		10/100 Ethernet
Mechanical					
Audio		Built-in speaker and microphone	Built-in speaker and microphone		Built-in speaker and microphone
Internal Storage		16 GB eMMC	16 GB eMMC		4 GB eMMC
Connector	**Power**	DC Jack	DC Jack		DC Jack
	Ethernet	RJ-45	RJ-45		RJ-45
	Wiegand Output	Wiegand 26 /34 bits, distance 100 m (328.1 ft) via GV-AS1620 / 2120 / 4110 / 4111 / 8110 / 8111	Wiegand 26 /34 bits, distance 100 m (328.1 ft) via GV-AS1620 / 2120 / 4110 / 4111 / 8110 / 8111		Not functional
	Wiegand Input	N/A	Not functional		Not functional
	Relay Output	DC 30V, 1A	DC 30V, 1A		DC 12V, 1A
	USB	2.0	2.0		N/A
General					
Language		Bulgarian, Chinese Simplified, Chinese Traditional, Czech, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Slovak, Spanish, Thai, Ukrainian	Bulgarian, Chinese Simplified, Chinese Traditional, Czech, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Slovak, Spanish, Thai, Ukrainian		Chinese Traditional, Czech, English, French, German, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish
Operating Temperature		-10°C ~ 60 °C (14°F ~ 140 °F)	-10°C ~ 50°C (14°F ~ 122°F)		-20 ~ 50 °C (-4 ~ 122 °F)
Humidity		10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)		0% ~ 95% (non-condensing)
Power		DC 12V, 3A	DC 12V, 3A		DC 12V, 1A / PoE (802.3af)
Max. Power Consumption		18 W	5 W		12 W
Dimensions (H x W x D)		256 x 127.6 x 27 mm (10.08 x 5.02 x 1.06 in)	**Without Pillar Stand:** 261 x 124 x 21.3 mm (10.28 x 4.88 x 0.84 in) **With Pillar Stand** 377 x 124 x 86 mm (14.84 x 4.88 x 3.39 in)		118 x 114 x 25.1 mm (4.65 x 4.49 x 0.99 in)

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Weight	955 g (2.11 lb)	**Without Pillar Stand:** 0.92 kg (2.03 lb) **With Pillar Stand:** 1.35 kg (2.98 lb)		300 g (0.66 lb)
Pillar Stand Tilt Angle	N/A	45°		N/A
Certification	CE, FCC, LVD, RoHS	CE, FCC, LVD, RoHS		CE, FCC

Note:

1. Connecting the reader to a third-party controller could limit the maximum Wiegand connection distance to 30 m (98.43 ft).
2. All specifications are subject to change without notice.