

The movie Experience

compact 107 plus compact 107

User Highlights:

- Brilliant image quality due to the extremely high contrast ratio
- Lamp life up to 4.000 hours (compact 107)
- Extra-ordinary Video projection thanks to the excellent „Faroudja-System“ with contrast ratio of **2000:1**

Products:
compact 107 plus
compact 107

Recommended for:
Home Cinema- and
SOHO use



Geha compact 107 plus



Geha compact 107



compact 107 plus
**Available
from May 2004**

compact
107 plus



compact
107



compact
107 plus



Technical Data

	compact 107 plus	compact 107
Order No.	30 470 431	30 470 143
Resolution	SVGA (800 x 600)	SVGA (800 x 600)
ANSI Lumens	1500	1100
Contrast	2000:1	2000:1
Dimensions (mm)	249 x 318 x 106	249 x 318 x 106
Weight (kgs)	3,1	3,1
Noise level	< 37dB	< 37dB
Lamp	200 W SHP	150 W SHP
Life span of lamp	up to 3.000 hours	up to 4.000 hours
The most important additional features¹	DK, DM, DZ, F, IR, M, OSD, RP	DK, DM, DZ, F, IR, M, OSD, RP

Optional accessories compact 107 plus and compact 107

Art No.	Description
30 258 317	Projector plate for ceiling mountings (Ceiling mountings see page 11)
60 258 450	Lamp Kit 150 W SHP (compact 107) life span up to 4.000 hours
60 270 723	Lamp Kit 200 W SHP (compact 107 plus) life span up to 3.000 hours

¹ Explanation of abbreviations: DE=DVI (Digital Input) DK=Digital keystone correction DM=Mounting to ceiling possible DZ=Digital zoom F=Freeze IR=Infrared remote control
M=Mask OSD=OnScreenDisplay PIP=Picture in Picture RP=Rear projection WO=Changeable lens available

Errors excepted and subject to change without notice!

Technical data Data/Video projectors



DV-projectors	compact 695	compact 270 plus	compact 270	compact 212 plus	compact 212	compact 235	compact 145	compact 693
Order No.	30 470 348	30 470 401	30 470 100	30 470 384	30 470 379	30 470 112	30 470 137	30 470 495
Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	SVGA (800 x 600)	XGA (1024 x 768)
Basic features								
Dimensions (WDH) in mm	397 x 333 x 110	285 x 220 x 86	285 x 220 x 86	294 x 260 x 103	294 x 260 x 103	313 x 272 x 99	313 x 272 x 99	367 x 270 x 119
Weight in kgs	6,0	2,2	2,9	3,4	3,4	2,7	2,7	5,9
Optical system	no detail	no detail	25-30mm	no detail	no detail	21,5-28mm	21,5-28mm	33,4 - 43,3mm
Keystone correction horiz.	horiz. +/- 15° vert. +/- 25°	+/- 15°	horiz. +/- 10° vert. +/- 15°	horiz. +/- 15° vert. +/- 25°	+/- 25°	+/- 15°	+/- 15°	horiz. +/- 10° vert. +/- 15°
Lamp	250 W UHP	250W	200W VIP	170W UHP	170W UHP	150W UHP	150 W UHP	250 W UHP
Sound system	2 x 1 W	1 x 3W	1 x 3W	2 x 1 W	2 x 1 W	1 x 1W	1 x 1W	2 x 1 W
Power	100 - 240V	100-240V	100 - 240V	85 - 240V	85 - 240V	100 - 240V	100-240V	100 - 240V
Fan level	< 38 dB	<35dB	< 35dB	< 34 dB	< 34 dB	< 36dB	< 36dB	< 37 dB, <34dB (eco)
Display								
Technology	3 x poly silicon 0,99"	1 x DLP 0,7" DDP 2000 Controller	1 x DLP 0,7"	3 x poly silicon 0,79" with MLA	3 x poly silicon 0,79"	3 x poly silicon 0,7"	3 x poly silicon 0,7"	3 x poly silicon 0,99"
Colours	16,7 Mio.	16,7 Mio.	16,7 Mio.	16,7 Mio.	16,7 Mio.	16,7 Mio.	16,7 Mio.	16,7 Mio.
Contrast ratio	800:1	1200:1	1500:1	400:1	400:1	400:1	400:1	500:1
ANSI Lumens	3200	2400	2300	2200	1700	1400	1400	3000, 2500 (eco)
Bandwidth	170 MHz, analogue	no detail	no detail	135 MHz analogue	135 MHz analogue	no detail	no detail	no detail
Horizontal SYNC	25 - 100 kHz	30-90KHz	30 - 90 kHz	15 - 110 kHz	15 - 110 kHz	30 - 90 kHz	30 - 70 kHz	15 - 100 kHz
Vertical SYNC	50 - 85 Hz	50 - 85 Hz	56 - 85 Hz	50 - 85 Hz	50 - 85 Hz	56 - 85 Hz	56 - 85 Hz	43 - 120 Hz
Functions								
Explanations of abbreviations please see page 19	DE, DK, DM, DZ, F, IR, M, OSD, PIP, RP, WO	DE, DK, DM, DZ, F, IR, M, OSD, PIP, RP, WO	DE, DK, DM, DZ, F, IR, M, OSD, PIP, RP	DE, DK, DM, DZ, F, IR, M, OSD, RP	DE, DK, DM, DZ, F, IR, M, OSD, RP	DK, DM, DZ, F, IR, M, OSD, RP	DK, DM, DZ, F, IR, M, OSD, RP	DE, DK, DM, DZ, F, IR, M, OSD, PIP, RP
Compatibilities								
c = compressed e = extended	UXGA (c), SXGA (c), XGA, SVGA (e), VGA (e), Mac (e)	SXGA (c), XGA, SVGA (e), VGA (e), Mac (e)	SXGA (c), XGA, SVGA (e), VGA (e), Mac (e)	SXGA (c), XGA, SVGA (e), VGA (e), Mac	SXGA (c), XGA, SVGA (e), VGA (e), Mac	SXGA (c), XGA, SVGA (e), VGA (e), Mac (e)	XGA (c), SVGA, VGA (e), Mac	UXGA (c), SXGA (c), XGA, SVGA (e), VGA (e), Mac (e)
Video norms	PAL, SECAM, NTSC, HDTV	NTSC/NTSC 4.43, PAL B/G/H/I/M/N 60, SECAM	PAL, SECAM, NTSC, NTSC 4.43	PAL, SECAM, NTSC, HDTV	PAL, SECAM, NTSC	PAL, SECAM, NTSC, NTSC 4.43	PAL, SECAM, NTSC, NTSC 4.43	PAL, SECAM, NTSC, HDTV
16 : 9 switch	X	X	X	X	X	X	X	X
HDTV	1080i, 1080p, 720p, 480p	480i, 480p, 720p, 1080i	480i, 480p, 720p, 1080i	480i, 480p, 720p, 1080i	480i, 480p, 720p, 1080i	480i, 480p, 720p, 1080i	480i, 480p, 720p, 1080i	1080i, 720p, 480p
Connections								
Input PC, digital	1x M1 D/A	DVI-D	M1 - D/A	1x M1 D/A	1x M1 D/A			1x DVI-I
Input PC, analogue	2x 15 pin DSUB	DVI-D	M1 - D/A	1x 15 pin DSUB	1x M1 D/A	1x15pin DSUB	1x15pin DSUB	1x 15 pin DSUB
input audio PC	2x3,5mm Stereo mini j.	2 x RCA Stereo mini j.	1x3,5mm Stereo mini j.	1x3,5mm Stereo mini j.	1x3,5mm Stereo mini j.	2xRCA Stereo	2xRCA Stereo	2x3,5mm Stereo mini j.
Composite Video	1xRCA	1x RCA	1xRCA	1xRCA	1xRCA	1xRCA	1xRCA	1xRCA
S-Video	1x4-pin mini DIN		1x4-pin mini DIN	1x4-pin mini DIN	1x4-pin mini DIN	1x4-pin mini DIN	1x4-pin mini DIN	1x4-pin mini DIN
Component Video	5xBNC x 3	3x RCA						5xBNC x 3
Audio input Video	2xRCA Stereo Audio	2 x RCA Stereo mini j.	1x3,5mm Stereo mini j.	1xRCA Stereo Audio	2xRCA Stereo Audio	2xRCA Stereo	2xRCA Stereo Audio	2xRCA Stereo Audio
Mouse remote control	1xUSB / 1x 6pin PS2	1x USB	über DVI-D	1xUSB / 1x PS2	1xUSB / 1x PS2	1xUSB	1x USB	1xUSB
Audio out	2xRCA Stereo Audio			2xRCA Stereo Audio				1x 3,5mm Stereo mini j.
LAN interface	X	X		X				
Monitor out	1x15pin DSUB			1x15pin DSUB	1x15pin DSUB	1x15pin DSUB	1x15pin DSUB	1x15pin DSUB
RS232 interface	1x 9pin DSUB	PS2 connector	1x 9pin DSUB	1x 9pin DSUB	1x 9pin DSUB			1x 9pin DSUB
Projection size								
standard lens								
Minimum distance in m	1,5	1,5	1,5	1,5	1,5	1,1	1,1	1,0
Maximum distance in m	10,0	6,0	10,0	10,0	10,0	6,0	6,0	13,1
Distance (between DVP and screen) : image width	1,8-2,4 : 1	1,64 - 1,97 : 1	1,64 - 2,45 : 1	1,6 - 1,9 : 1	1,6 - 1,9 : 1	1,47 - 1,64 : 1	1,47 - 1,64 : 1	1,7-2,2 : 1
Scope of delivery	1 x VGA, remote control, A/V cable, Scart adapter, USB mouse cable	VGA cable, A/V cable, USB cable, remote control, soft case	M1-D/A cable, remote control, A/V cable, USB cable, S-Video cable, soft case	1x M1 D/A Data and mouse cable, A/V cable, USB cable, S-Video cable, remote control, soft case	1x M1 D/A Data and mouse cable, A/V cable, RCA-Audio-Video cable, remote control, soft case	remote control, VGA cable, USB cable soft case	remote control, VGA cable, USB cable, soft case	1 x VGA, remote control, A/V cable, S-Video cable, USB mouse cable

System Components	Overhead Projectors	Presentation Furniture	Projection Screens	Presentation Boards	Moderation Boards	Presentation Film	Data/Video Projectors
-------------------	---------------------	------------------------	--------------------	---------------------	-------------------	-------------------	-----------------------



DV-projectors	compact 248	compact 007 plus	compact 009	compact 107 plus	compact 107	Geha H1
Order no.	30 470 094	30 470 429	30 470 234	30 470 431	30 470 143	30 470 471
Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	SVGA (800 x 600)	SVGA (800 x 600)	WXGA (1024 x 576)
Basic features						
Dimensions (WDH) in mm	188 x 240 x 64	199 x 149 x 63	247 x 93 x 52	249 x 318 x 106	249 x 318 x 106	440 x 370 x 140
Weight in kgs	1,6	1,1	0,9	3,1	3,1	5,4
Optical system	22-26mm	26-33mm	no detail	21,1-25,4mm	21,1-25,4mm	no detail
Keystone correction	+/- 15°	+/- 15°	+/- 7,5°	+/- 20°	+/- 20°	horiz. +/- 10° vert. +/- 15°
Lamp	150W VIP	120W UHP	132W UHP	200W SHP	150W SHP	250W
Sound system	1 x 0,5W	2 x 1W	1 x 1W	2 x 2,5W	1 x 2,5W	
Power	100-240V	100-240V	100-240V	100-240V	100-240V	100 - 240V
Fan noise	< 35dB	< 32dB	< 36dB	< 37dB	< 37dB	< 32dB
Display						
Technology	1 x DLP 0,7"	1 x DLP 0,7"	1 x DLP 0,7"	1 x DLP 0,55"	1 x DLP 0,55"	1 x DLP 0,63"
Colours	16,7 Mio.	16,7 Mio.	16,7 Mio.	16,7 Mio.	16,7 Mio.	16,7 Mio.
Contrast ratio	1000:1	1100:1	2000:1	2000:1	2000:1	2000:1
ANSI Lumens	1500	1400	1000	1500	1100	700
Bandwidth	no detail	136 MHz, analogue	135 MHz, analogue	133MHz, analogue	133MHz, analogue	no detail
Horizontal SYNC	31 - 90kHz	16 - 100 kHz	15 - 100 kHz	31,5 - 80 kHz	31,5 - 80 kHz	15,6 - 85 kHz
Vertical SYNC	43 - 85 Hz	43,5 - 130 Hz	43,5 - 130 Hz	61 - 85 Hz	60 - 85 Hz	48 - 85 Hz
Functions						
Explanations of abbreviations, please see page 19	DE, DK, DM, DZ, F, IR, M, OSD, PIP, RP	DE, DK, DM, DZ, F, IR, M, OSD, PIP, RP	DE, DK, DZ, F, IR, M, OSD, PIP, RP	DE, DK, DM, DZ, F, IR, M, OSD, RP	DK, DM, DZ, F, IR, M, OSD, RP	DE, DK, DM, DZ, F, IR, M, OSD, PIP, RP
Compatibilities						
c = compressed e = extended	SXGA (c), XGA, SVGA (e), VGA (e), Mac	SXGA (c), XGA , SVGA (e), VGA (e), Mac (e)	SXGA (c), XGA , SVGA (e), VGA (e), Mac (e)	XGA (c), SVGA, VGA (e), Mac	XGA (c), SVGA, VGA (e), Mac	WXGA, SXGA (c), XGA (e), SVGA (e), VGA (e), Mac (e)
Video norms	PAL, SECAM, NTSC, NTSC 4.43	PAL, SECAM, NTSC, SDTV	PAL, SECAM, NTSC	PAL, SECAM, NTSC	PAL, SECAM, NTSC, HDTV, EDTV	PAL, SECAM, NTSC, NTSC 4.43
16 : 9 switch	X	X	X	X	X	X
HDTV	480i, 480p, 720p, 1080i	480i, 480p	k.A.		1080i, 720p	480i, 480p, 720p, 1080i, 576p
Connections						
Input PC, digital	1x DVI-D	M1-D/A	M1-D/A	M1-D/A		DVI-I (HDCP), D-Sub (15pin)
Input PC, analogue	1x DVI-A	M1-D/A	M1-D/A	M1-D/A	1x15pin DSUB	R-G-B-H-V, composite video
Input audio PC	1x3,5mm Stereo mini j.	1x3,5mm Stereo mini j.	1x3,5mm Stereo mini j.	1x3,5mm Stereo mini j.	1x3,5mm Stereo mini j.	1x3,5mm Stereo mini j.
Composite Video	1xRCA	1xRCA		1xRCA	1xRCA	1xRCA
S-Video	1x4-pin mini DIN	1x4-pin mini DIN	1x4-pin mini DIN	1x4-pin mini DIN	1x4-pin mini DIN	1x4-pin mini DIN
Component Video						
Audio input Video	1x3,5mm Stereo mini j.	1x3,5mm Stereo mini j.		2xRCA	1x3,5mm Stereo mini j.	1x3,5mm Stereo mini j.
Mouse remote control	1x USB	1x USB				
Audio out				1x3,5mm Stereo mini j.		
LAN interface						
Monitor out				1x15pin DSUB		
RS232 interface						1x 9pin DSUB
Projection size						
Minimum distance in m	1,5	0,8	1,5	1,5	1,5	1,2
Maximum distance in m	10,0	6,8	5,0	9,8	9,8	10,0
Distance(between DVP and screen) : image width	1,58 - 1,88 : 1	1,85-2,35 : 2	1,8-2,1 : 1	1,9 - 2,28 : 2	1,9 - 2,28 : 1	1,67 - 2,25 : 1
Scope of delivery	remote control, A/V cable, USB cable, S-Video cable, DVI cable, soft case	M1-D/A cable, remote control (Navigator), A/V cable	M1 D/A Data and Mouse cable, Video cable, S-Video cable, remote control, soft case	M1-D/A cable, remote control (Navigator), A/V cable	1 x VGA, remote control, A/V cable, soft case	DVI-I cable, remote control, A/V cable, USB cabel, S-Video cable, soft case