Technical data

	BGC 25-2 MPR II	BGC 36-2 MPR II	BGC 145-3 LR	BGC 55-2 MPR II	BGC 70-2 LR
Screen diagonal	10"	14"	17"	21"	28"
Useful screen diagonal [cm]	23	33.5	39.5	51	66
Video standard (PAL/NTSC/SECAM)	All	All	All	All	All
Dot pitch [mm]	0.26	0.28	0.59	0.69	0.8
Horizontal resolution [TV lines] at centre of picture, Y/C	500				
Horizontal resolution [TV lines] at centre of picture, CVBS	360				
Video bandwidth at -3dB [MHz]	> 11	> 11	>6	> 11	> 11
Geometric distortion	< ± 1 % of picture height (inside the circle test pattern) < ± 2 % of picture height (outside the circle test pattern)				
Video inputs (number/type)	2 x CVBS, 1 x Y/C				
Video outputs (number/type)	2 x CVBS, 1 x Y/C				
75 terminating resistor	Switches automatically				
Black level clamping	Yes				
Contact-controlled blanking	Yes				
Glare suppression				Yes	
Position of control elements	Front	Front	Front	Front	Front
Operating voltage [V]	230 VAC +10/-15 %				
Power consumption [W]	90	92	67	100	128
Operating temperature	+5 ... +40 °C				
Housing	Metal				
Dimensions [W x H x D in mm]	280x270x360	390x350x390	430x425x405	512x454x476	661x600x476
Weight [kg]	9	14	17	26	36
Protection class	I				
In acc. with x-ray protection regulations	Yes				
Warranty period (months)	12, not including the picture tube				
Language of documentation	10 EU languages				
Scope of supply	Monitor, power cable, operating instructions/CD-ROM				
Optional accessories	Live picture check	Live picture check		Live picture check	Live picture check
Special features	100 Hz technology, MPR II	100 Hz technology, MPR II	50 Hz technology low radiation	100 Hz technology, MPR II	100 Hz technology, MPR II
Order no.	G.XI 22 - 11	G.XI 22 - 12	G.XI 20 - 22	G.XI 22 -13	G.XI 20 -24
EMC	CE conformity				
Operating modes					
CVBS (VIDEO)	PAL/SECAM standard 15.625 kHz/50 Hz NTSC 4.43 MHz 15.750 kHz/60 Hz				
Y/C	Y (luminance) and C (chrominance) signals separate, e.g. S-VHS connection				
Interfaces					
Video 1 (input)	BNC socket				
Video 1 (output)	BNC socket for loop-through mode, 75 automatically switching terminating resistor				
Video 2 (input)	BNC socket				
Video 2 (output)	BNC socket for loop-through mode, 75 automatically switching terminating resistor				
Y/C input	4-pin built-in subminiature socket (S-VHS connector)				
Y/C output	4-pin built-in subminiature socket (S-VHS connector) 75 automatically switching terminating resistor				
AUX socket	For blanking				

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WE0067/0701

MONTORS WITH 50/100 HZ TECHNOLOGY

- Extremely reliable in continuous operation
- Industry standard
- High detail resolution even at the corners of the picture
- MPR II as standard (100 Hz version)
- Low radiation as standard (50 Hz version)
- Wide contrast/brightness range and natural color reproduction
- Extremely robust housing
- User-friendly controls and connections
- Absolutely flicker-free picture thanks to 100 Hz technology
- Multistandard (PAL, NTSC, SECAM) with automatic selection
- User-friendly operation and connection
- Unlimited recycling guarantee

BGC 25-2 MPR II, BGC 36-2 MPR II

BGC 145-3 LR, BGC 55-2 MPR II, BGC 70-2 LR

General information

The high-quality monitor range from plettac electronics meets all the requirements for professional surveillance applications. Extremely robust design and high technical quality guarantee first-class picture information and a long service life even in the case of around-the-clock operation.

The color monitors from plettac electronics are impressive because of their comfortable performance features, but even more so because of their cutting-edge technology.

In addition to the usual reliability which customers have come to expect from plettac electronics, the monitor range excels through its ergonomic design: the video inputs of the monitors are of the loop-through type and have automatically switching 75 terminating resistors. All models are fitted with built-in switches for selecting the active input.

Low radiation

Low-radiation monitors are healthier for the observer and permit more concentrated and less tiring viewing.

The electromagnetic field is reduced to a minimum in the case of low-radiation monitors. The suppression of magnetic fields significantly reduces the possibility of undesirable biological reactions in the human body (e.g. stress symptoms).

100 Hz

This first-ever monitor family with digital 100 Hz technology completely cancels out the large-area flicker usually associated with conventional models by displaying pictures at double the field frequency. A step into the future offering perfectly focused information while minimizing the strain on the viewer: Optically calm monitors are extremely kind to the eyes and make it possible to work attentively over long periods of time without the usual symptoms of tiredness.

In addition to this technology, the 100 Hz monitors from plettac electronics have a range of impressive features to offer as standard: The monitors are available in low-radiation or MPR II versions and feature automatic selection of the standards PAL, NTSC and SECAM. Brightness, contrast, color contrast and tint can be stored separately for each video input - especially high setting reserves counteract the effects of premature wear and guarantee high-contrast pictures over a long service life in 24-hour operation.

And last but not least, the robust metal housing and the high quality standards of German manufacturing contribute to an extremely long service life, at the end of which plettac electronics agrees to take care of the professional disposal of the equipment.

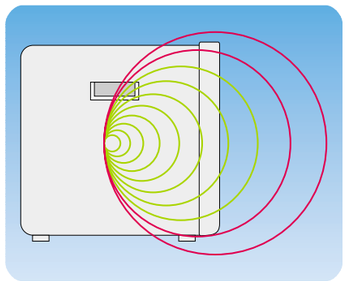
Features in detail

100 Hz technology

50 Hz in comparison

100 Hz technology

Digital technology allows the video signals to be displayed at double the field frequency (100 Hz instead of 50 Hz in conventional monitors). The usual large-area or line flicker experienced with text insertions is suppressed, making it easier on the eyes on the viewer. Perfect conditions for concentrated and tireless viewing.

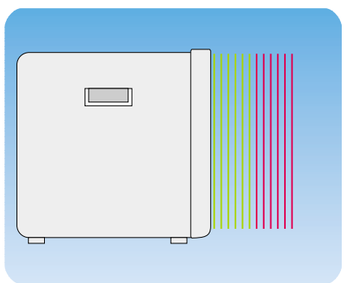


Conventional monitor

Low-radiation monitor

Low radiation

The magnetic field is reduced to a minimum in the case of low-radiation monitors. The suppression of magnetic fields significantly reduces the possibility of undesirable biological reactions in the human body (e.g. stress symptoms).

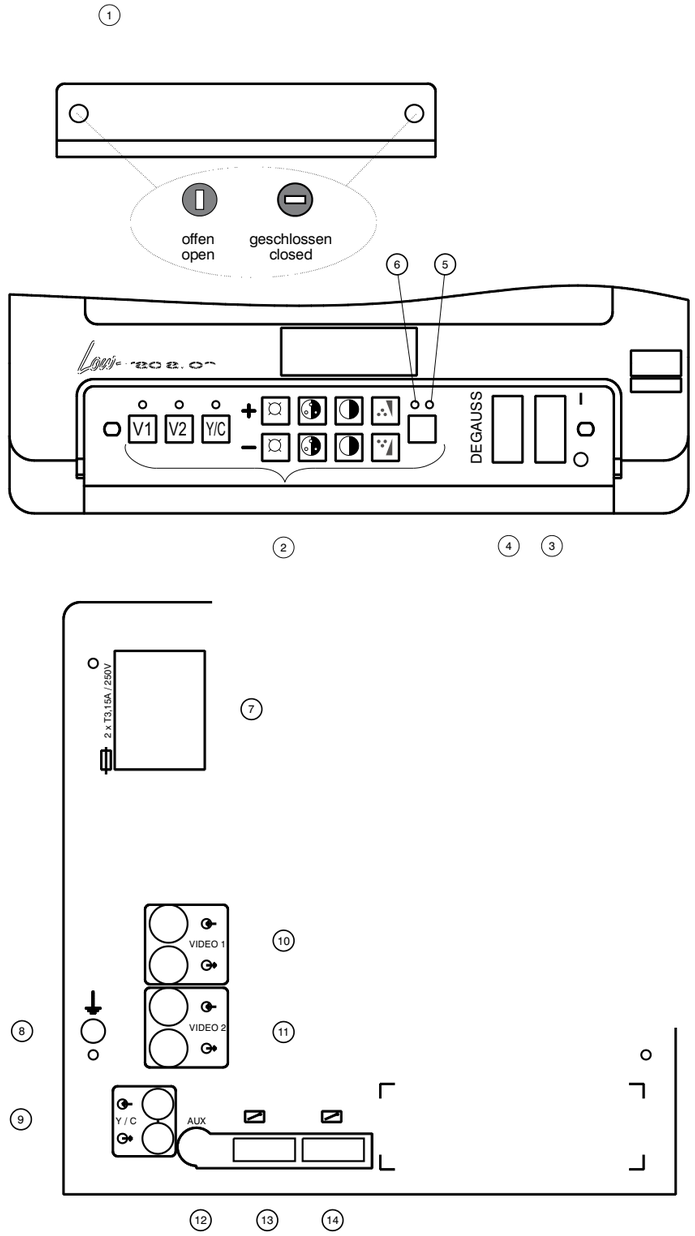


Conventional monitor

Low-radiation monitor

MPR II

Monitors in accordance with MPR II offer a further reduced electrostatic field as compared with low-radiation versions. This equipment minimizes the possibility of skin irritations and makes relaxed viewing possible. The lambda/4 glare suppression also cancels out disturbing reflections on the screen surface. The use of low-radiation and MPR II monitors is especially to be recommended when the user has to sit close to the screen over long periods of time.



1. Transparent operator panel cover
2. Selector buttons and adjusters
3. Mains switch
4. Degaussing button
5. ON/OFF indicator
6. Fault indicator
7. Mains terminal
8. Ground terminal
9. Built-in subminiature sockets for feeding Y/C signals
10. Video signal terminal 1, CVBS input
11. Video signal terminal 2, CVBS input
12. AUX socket
13. Service connector
14. Remote control connector