# BMS multi-system control keyboard

- Series of keyboards for camera operation and matrix control
- Patented pressure-sensitive keys giving variable speed pan/tilt head control
- Optional joystick
- Configures plettac electronics digital cameras
- Bus-interface for multiple keyboard networking
- Programmable function keys
- Optional flush-fitting workstation version



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## Description

The plettac electronics BMS control keyboard is a multi-functional device which can be used with different software packages for many different purposes. With BMS-BMK software and serial interfaces it can operate and configure digital cameras, including lens and pan/tilt control functions. Together with the BSW interface adapter the BMS keyboard can control a video-switcher, and the BMS-BVZ variant is used to control the VAZ 200/300 matrix.

### Speed control

Keys for right, left, up, down, focus and zoom are fitted with pressure sensors to provide an optional 7-step speed control function. The greater the pressure exerted on the key, the faster the movement of the pan/tilt head, dome or lens. A joystick extension is offered for the BMS-BMK 802 and the BMS-BVZ. There are additional cursor keys for the zoom/focus functions to provide even better operation for controllable cameras.

### Functional models

The following models are available:

**BMS-BVZ**: VAZ matrix operation; control keyboards are networkable (bus) so that several at a time can be linked via an RS-485 communication bus.

**BMS-BMK 801:** Operation and configuration of digital cameras, series FAC830/FA87

**BMS-BMK 802:** Operation and configuration of digital cameras, series FAC838/FA876 and earlier

**VS:** Variable speed for operating pan/tilt heads, domes and lenses, supplied as an option

**Joystick:** An optional joystick for variable speed control

### Camera configuration

This keyboard series is unique in its ability to directly configure plettac electronics digital cameras. Not only can individual parameters such as white balance, black level adjust, electronic shutter, and aperture be adjusted, but pre-programmed camera settings can also be called up from the user memory.

| Technical data | |
|---|---|
| Functional elements | Keyboard 44 mechanical keys (incl. pan/tilt head control) |
| Pan/tilt control | 8 keys with pressure sensors (7-speed for keyboards with variable speed VS) |
| Operating indicators | Green LED for operating voltage/data traffic, 9 yellow LED status indicators in the keys |
| Control interface | RS 485 - 4-wire for bus operation |
| Socket connection | 9 pin D-SUB-connector (Serial IN), |
| | 9 pin D-SUB-connector (Serial OUT) |
| Switched output | Relay, changeover contact 1 x |
| Max. switching power | |
| DC | 30W |
| AC | 30 VA |
| max. current | 1 A |
| max. voltage | 30V |

| Environmental data | |
|---|---|
| Operating voltage | 230 VAC + 10 %/-15 % |
| Power consumption | max. 16 W |
| Operating temperature | 0 °C to 45 °C |
| Storage temperature | -40 °C to +70 °C |
| Protection measures | Table power supply compliant with EN 60742/IEC 742 |
| Useful life of the keys | > 107 switch cycles |

| Mechanical data | | | | |
|---|---|---|---|---|
| | BMS control keyboard BMK top cover | | BVZ top cover | Joystick |
| Weight (kg) | 2 | 0.5 | 0.5 | 0.4 |
| Weight including packaging (kg) | 2.5 | 1.0 | 1.0 | 0.9 |
| Dimensions (mm; L x B x H) | 330 x 175 x 55 | 300 x 150 x 20 | 300 x 150 x 20 | 126 x 175 x 110 |
| Pack dimensions (mm; L x B x H) | 350 x 255 x 110 | 350 x 255 x 110 | 350 x 255 x 110 | 540 x 220 x 220 |