

### **15" TFT monitor for DIEBOLD OPTEVA series - TRANSFLECTIVE -**



#### **Series: TFT-15-GAA**

This transreflective monitor type is based on the latest state-of-the-art technology and is an absolute alternative to the well-known and cost-intensive Sunlight Viewable Displays (SVDs).

The main part is a reflector that is positioned behind the LCD segment to reflect all incoming light, which, at the same time, is intensified by the LED backlight.

The bright ambient light reflected inside the monitor depends on the brightness from outside: The brighter the surroundings, the brighter the display. A sensor for regulating the brightness is not necessary.

This display technology is an indispensable alternative to the previous sunlight readable monitors and is providing the following additional benefits:

- low power usage (due to normal backlight)
- no light sensor necessary
- longer life cycle
- lower pricing (due to fewer technical components)
- easy replacement of original monitor by our transreflective unit

This 15" monitor is available for the following Diebold ATM systems:

**Opteva 500 / 520 / 560 / 562**  
**Opteva 720 / 740 / 750 / 760**

## Technical Data

### **Display:**

|              |                                   |
|--------------|-----------------------------------|
| Display size | 15"                               |
| Brightness   | 600 cd/m <sup>2</sup> (basic) LED |
| Resolution   | 1024 x 768 pixel (XGA)            |
| Contrast     | 600 : 1                           |

### **Transflective**

### **Input signal:**

|              |                          |
|--------------|--------------------------|
| Video output | VGA                      |
| H. Frequency | 31 - 35 kHz              |
| V. Frequency | 50 - 75 Hz               |
| Sync. signal | H/V separated, TTL level |
| Pixelclock   | max. 30 MHz              |
| Colours      | 6 bit per colours        |

### **Adjustments (OSD):**

brightness, contrast, horizontal position, vertical position, default; settings saved automatically

### **Power management:**

backlight is switched off by missing video signal

### **Connections:**

|                   |                                    |
|-------------------|------------------------------------|
| Input signal      | DVI, USB (internal)                |
| Power supply      | 24V DC mini fit connector from ATM |
| Power consumption | 10 W                               |

### **Operating conditions:**

operating temperature -20° - +60°C

### **MTBF:**

backlight 50.000 hours / 25°C

### **Weight:**

approx. 4,5 kg (9.5 lbs)

### **Manufactured acc. to:**

CE compliant  
RoHS  
WEEE

### **Warranty:**

24 months



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