



# madLED



Who said, LED is a more or less static media? The madLED System enables interactive LED walls and lighting concepts. It consists of standard LED panels but each and every LED is triggered by its own infrared sensor. Therefore, the smartLEDs allow the setup of installations, where viewers and visitors are able to influence effects, pictures or colors interactively!

Building a LED wall by using this system is not just shaping a room or display but creating a lively experience for the visitors usable for example a entrance installation to a tradeshow booth or creating a unique entree to your enterprise.

The madLED modules are controlled by a central PC. Every manLED modul in parallel runs its own controller chip. The interaction between visitor and madLED wall is happening in real time.

For example the implementation of an „electronic“ shadows of the visitors silhouette is a breeze. Silhouettes for example can reveal video streams or brand logos. Trigger spots can spawn LED driven fireworks effects if hit by the silhouette. The possibilities are endless.

Free programmable effects that reside within the controller chips eeprom can be matched to a company`s CI and even audio support can be realized by a controller PC`s soundcard.



The actual system consists of ready made modules, that meet the following specification:

▶ **System Size:**

*Carrier skeleton made of steel and aluminium..*

**height:** 2000mm

**width:** 5000mm

**weight:** 450kg

*Custom build modules can be combined to any configuration and size. The modular system allows for special shaped installations and individual configurations.*

*The system can be either wall mounted or intergated into existing walls.*

▶ **Size LED Matrix:**

*10 x 10 RGB LED Matrix*

**height:** 500mm

**width:** 500mm

**LED pitch:** 50mm

*LED Resolution can be enhanced by custom build modules with lower LED pitch and higher numbers of LED elements.*

▶ **Technische Daten RGB-LED Modul**

*4 x RGB Modul mit Infrarot Empfänger*

**Abmessungen:** 50mm

**Infrarot Empfänger:** 4 Stück (einer pro LED)

**Leistung:** 5W pro LED

*Durch Verwendung einer, in das Modul integrierten, Steuerungselektronik ist es möglich das System ohne Delay zu betreiben.*

*Die Steuerungselektronik erlaubt es außerdem die LEDs ohne Farbverfälschung zu dimmen.*