



HD101 Throw Distance

Thank you for choosing Knöll projectors! The HD101 is multipurpose DLP projector with a digital light processing chips to give bright clear images and display movies in a format similar to the one they were filmed in. Its manual lens allows for a limited amount of zooming (1:1.2).

The Knöll CM10 ceiling mount kit is easy to install and swivels for exact placement. It drops the projector about 3" and the projector lens is about 6" from the ceiling. If more of a drop is needed, the CM20+6 extender adds an extra 6" drop. As many CM20+6 can be added as needed.

The most frequently asked questions concerning DLP projectors are:

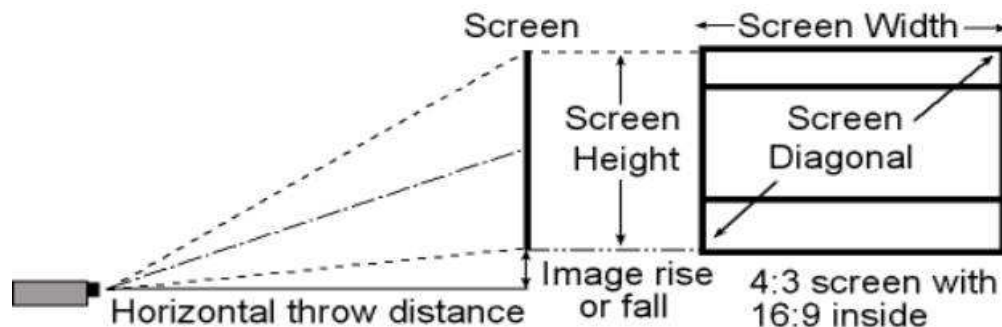
How much can the projector be tilted down (when ceiling mounting) or up (when floor mounted)?

About 20 degrees. The HD101 has a digital adjustable keystone but for best overall image the HD101 projector should ideally be level if the screen is vertical (which is usually the case).

Is the width of the 4:3 image the same as the 16:9 image?

It depends. In the 16:9 mode, if the aspect ratio is switched to 4:3 then the height stays the same and the width is narrower. If the 16:9 mode is selected, then the width of the 4:3 is the same but the height increases to 600 pixels (lines) instead of the 450 lines in the 16:9 mode. There are some digital width adjustments in the HD101. Depending on the screen type you have and the image displayed there may be black rectangular boxes above and below or beside the image.

Projection throw distances are the maximum and minimum horizontal distances from the projector lens to the screen. If the projector is mounted level (this is strongly recommended) the image will drop (ceiling mounted projector) or rise (floor mounted projector).



HD101 Projection Throw Distance 4:3 Video Screen

Screen Diagonal	72"	78"	84"	100"	120"	160"	200"
Minimum Distance	110"	119"	128"	152"	183"	244"	304"

Maximum Distance	131"	141"	152"	181"	217"	289"	362"
Image rise or drop	5.3"	5.8"	6.2"	7.4"	8.9"	11.8"	14.8"

MAXIMUM DISTANCE TO SCREEN (4:3) = 1.81 x SCREEN DIAGONAL SIZE

MINIMUM DISTANCE TO SCREEN (4:3) = 1.52 x SCREEN DIAGONAL SIZE

IMAGE DROP OR RISE (4:3) = 0.074 x SCREEN DIAGONAL SIZE

HD101 Projection Throw Distance 16:9 Video Screen

Screen Diagonal	88.25"	103"	106"	110"	122.5"	146.75"
Minimum Distance	146"	170"	174.6"	181"	202"	242"
Maximum Distance	174"	203"	209.7"	218"	242"	290"
Image rise or drop	14.2"	16.6"	17"	17.7"	19.7"	23.6"

MAXIMUM DISTANCE TO SCREEN (16:9) = 1.98 x SCREEN DIAGONAL SIZE

MINIMUM DISTANCE TO SCREEN (16:9) = 1.65 x SCREEN DIAGONAL SIZE

IMAGE DROP OR RISE (16:9) = 0.16 x SCREEN DIAGONAL SIZE

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