

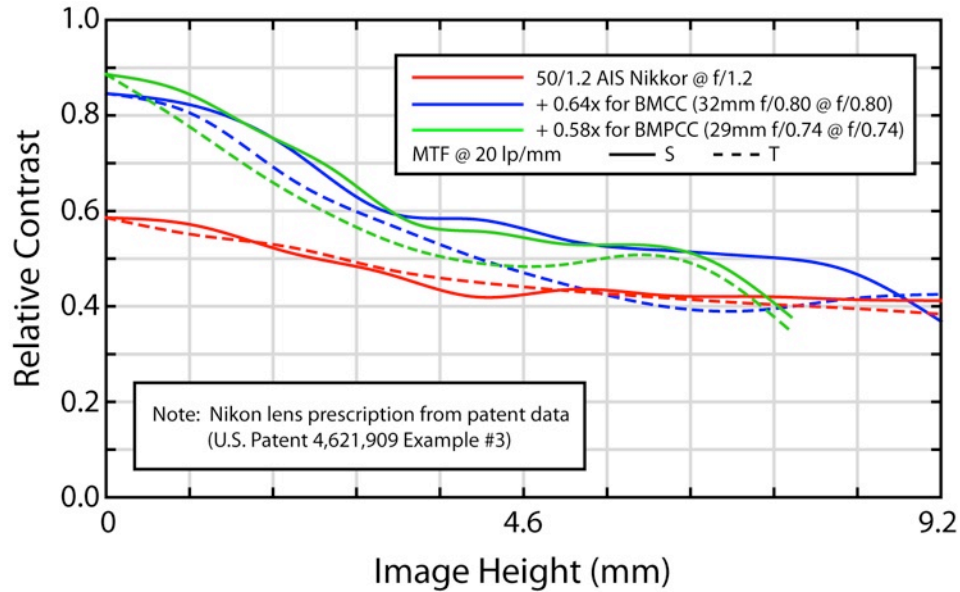
METABONES PR - EOSHD version

Petersburg, VA, USA, December 2, 2013: Metabones® and Caldwell Photographic Inc. are pleased to jointly announce two new Nikon-F to Micro-4/3 mount Speed Booster™ adapters designed exclusively for the Blackmagic 2.5k Cinema Camera (BMCC) and the Blackmagic Pocket Cinema Camera (BMPCC), with magnifications of 0.64x and 0.58x, respectively. Both new Speed Boosters use advanced 6-element optical designs incorporating ultra-high index glass to achieve extraordinary optical performance at record-breaking apertures. Note that the new Speed Boosters will only attach to Blackmagic cameras equipped with a Micro-4/3 mount. They cannot be attached to standard Micro 4/3 cameras.

The new 0.64x Speed Booster reduces the full-frame crop factor of the BMCC from 2.39x to 1.53x, thus effectively transforming it into a Super-35 format cine camera. In addition, the speed of any attached lens is increased by $1\frac{1}{3}$ stops, with a maximum output aperture of f/0.80. For example, a 50mm f/1.2 becomes a 32mm f/0.80, and Sigma's new 18-35mm f/1.8 will become an 11.5-22.5mm f/1.1.

The new 0.58x Speed Booster reduces the crop factor of the BMPCC from 2.88x to 1.75x, and produces the largest aperture optics currently available, with a maximum output aperture of f/0.74. For example, a 50mm f/1.2 now becomes a 29mm f/0.74, and the Sigma 18-35mm f/1.8 becomes the world's fastest zoom lens at 10.5-20.3mm f/1.0 with stunningly sharp performance.

In addition to increasing lens speed and field of view, both of the new Speed Boosters significantly increase the lens MTF. The graph below compares MTF at 20 lp/mm for the Nikon 50mm f/1.2 by itself and combined with each of the new Speed Boosters. For both the 0.58x and 0.64x versions there is a dramatic performance enhancement near the center of the image, but there is also a moderate performance improvement in the outer parts of the image as well. This is especially impressive when you consider that the Speed Booster MTF is evaluated at f/0.80 and f/0.74, respectively, while the native 50mm lens is evaluated at f/1.2.



Nikon mount versions of both new Speed Boosters feature an improved version of Metabones' unique manual G aperture adjustment mechanism, which has the same angular throw distance as earlier Nikon Ai/AiS lenses. This improved version features a linearized f-stop adjustment as a function of aperture ring adjustment angle. The mechanism is clickless in order to maximize its usefulness to cinematographers.

Both new Speed Boosters can be used with FX and DX lenses, including DX lenses with fixed lens hoods (e. g. Nikon 10.5mm/2.8 fisheye or Sigma 8-16mm/4.5-5.6 ultra-wide zoom). In case of the 0.64x Speed Booster on BMCC, the original FOV of DX lenses is fully restored; a 180° fisheye remains a 180° fisheye.

The new Speed Boosters will be available starting in December 2013 from the Metabones website and its worldwide dealer network for \$489 plus shipping and applicable taxes and duties.

Product Pictures: (BMCC Version)



SPECIFICATIONS: (BMCC Version)

Product name: Metabones Nikon G to BMCC Speed Booster

Model Code: MB_SPNFG-BMCC-BM1

Color: Black Matt

Magnification: 0.64x

Crop Factor with BMCC: 1.53x

Maximum Output Aperture: f/0.80 (with f/1.2 lens attached)

Rectilinear Distortion: < 0.35%

Lens Elements/Groups: 6/4

Length Reduction: 5.7 mm

Camera Mount: Blackmagic Micro 4/3 only

Lens Mounts: Nikon F

Lens Compatibility: Both FX and DX format lenses can be used

Special Features: Improved long-throw clickless Nikon G aperture ring

Dimensions: 174 mm x 66 mm x 33 mm

Weight: 177 grams

Tripod Mount: Robust removable type with Arca Swiss compatibility

Product Pictures: (BMPCC Version)



SPECIFICATIONS: (BMPCC Version)

Product name: Metabones Nikon G to BMPCC Speed Booster

Model Code: MB_SPNFG-BMPCC-BM1

Color: Black Matt

Magnification: 0.58x

Crop Factor with BMPCC: 1.75x

Maximum Output Aperture: f/0.74 (with f/1.2 lens attached)

Rectilinear Distortion: < 0.5%

Lens Elements/Groups: 6/4

Length Reduction: 8.0 mm

Camera Mount: Blackmagic Pocket Micro 4/3 only

Lens Mounts: Nikon F

Lens Compatibility: Both FX and DX format lenses can be used

Special Features: Improved long-throw clickless Nikon G aperture ring

Dimensions: 74mm x 66mm x 32mm

Weight: 160 grams

Tripod Mount: Robust removable type with Arca Swiss compatibility

Compatibility and resulting crop factors:

| | Elements/ Groups | Speed Boost | Max. Aperture | Crop Factor on Camera* | | |
|---------------------------------------|---------------------|----------------|------------------|------------------------|--------|-------|
| | | | | m4/3 | BMCC | BMPCC |
| Plain adapter (native crop factor) | | | | 2x | 2.39x | 3.02x |
| 0.71x Speed Booster m4/3 | 4/4 | 1 stop | f/0.90 | 1.42x | 1.7x | 2.14x |
| 0.64x Speed Booster BMCC | 6/4 | 1 1/3 stop | f/0.80 | n/a** | 1.53x | 1.93x |
| 0.58x Speed Booster BMPCC | 6/4 | 1 2/3 stop | f/0.74 | n/a** | n/a*** | 1.75x |

*) Based on diagonal field of view

***) Do not attempt to mount – physical damage may occur

***) Can be mounted, but does not cover the full sensor with most lenses