

DM388 IP Camera Reference Design

(ACTIVE) TMD5IPCAM388X36

- Description & Features
- Technical Documents
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Description

Single platform solution provides SVCT/H.264 1080P 60 fps + SVCT/H.264 D1 30 fps + MJPEG 1080P 5 fps, and up to 10 megapixels at reduced frame rate. Supports TI's 4th Generation Noise Filter and Local tone mapping dual frame merged WDR together with SVCT/H.264 1080P 30 fps.

Features

Processor:	DM388 DaVinci™ video processor includes ARM® Cortex™-A8, SVCT/H.264/MJPEG video coprocessor, Noise Filtering Engine and Gigabit EMAC
Sensor:	Sony 2MP IMX136 sensor CMOS imager optimized for low-light performance (More Sensor Modules available from Leopard Imaging)
Source Code:	Complete Linux-based IP camera application including free source code
Video codecs:	Encode up to SVCT or H.264 high profile Level 3.1 1080p at >60fps including MPEG-4 and MJPEG support or higher megapixels at lower frame rate

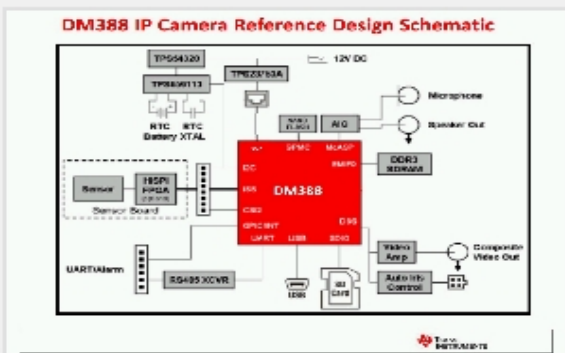


TMD5IPCAM388X36 IP Netcamera Image

Fully assembled board (shown above) developed for testing and performance validation only, not available for sale.

Schematic/Block Diagram

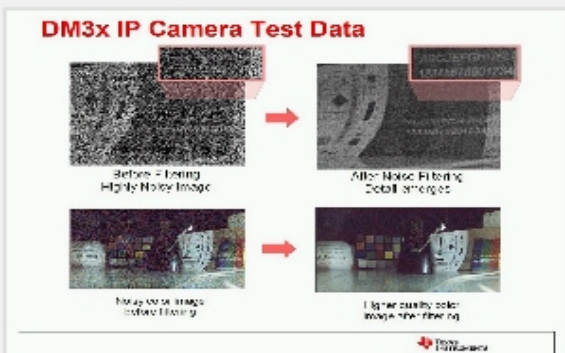
Quickly understand overall system functionality.



Download Schematic

Design Guide

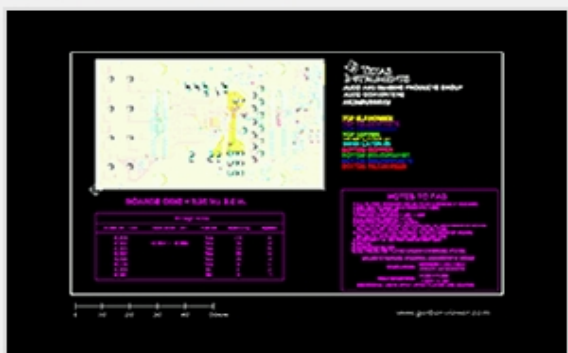
Get results faster with test and simulation data that's been verified.



Download Design Guide

Design Files

Download ready-to-use system files to speed your design process. [Get Viewer](#).



Download Design File

Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

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Part Number	Status
TMD5IPCAM388X36: DM388 IP Camera Reference Design	ACTIVE

TI Devices (3)

Order samples, get tools and find more information on the TI products in this reference design.

Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
DM383	DaVinci Digital Media Processor	ARM Cortex-A8	Sample & Buy	Not Available
DM385	DaVinci Digital Media Processor	ARM Cortex-A8+ Video Core	Sample & Buy	Not Available
DM388	DaVinci Digital Media Processor	ARM Cortex-A8+ Video Core	Sample & Buy	Not Available

Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
TMS320DM36x Reference Design Kit Quick Start Guide		PDF	1250	03 Apr 2013	1,618

Selection Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
IP Camera Product Selection Guide (Rev. A)		PDF	3429	28 Oct 2013	3,761

White Papers (2)

Title	Abstract	Type	Size (KB)	Date	Views
"Get smart" with TI's embedded analytics technology		PDF	2059	30 May 2012	1,424
Exploring Video Compression Challenges		PDF	150	28 Aug 2009	815

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
DM388 IP Camera Reference Design Schematic		PDF	82	20 Nov 2013	565
DM388 IP Camera Reference Design Bill of Materials (BOM)		PDF	144	05 Nov 2013	290

Related Tools & Software

Software (1)

[DM3x IP Camera Reference Design Test Data](#)
(PDF, 412 KB) 1457 views, 20 Nov 2013

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• C5000™ Ultra Low Power DSP

• DaVinci™ Video Processors

• Embedded Software

• C6000™ Power Optimized DSP

• OMAP™ Processors

• Development Tools

• C6000™ Multicore DSP

Wikis

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