

## ● UDP Layer Video Packet Format

### *Video header packet format*

(14 bytes)	(20 bytes)	(8 bytes)	(4 bytes)	(2 bytes)	(12 bytes)	(4 bytes)
Mac Header	IP Header	UDP Header	Time Stamp	Frame No.	ZeroPadding	CRC

1. Ether Type in Mac Header is 0x0800. (IPv4)
2. Source Port and Destination Port in UDP Header are 0x0813.
3. TimeStamp = 0
4. Frame No. : One video header packet per JPEG frame. It is increased sequentially.

### *Video data packet format*

Sequence[0:N-2]

(14 bytes)	(20 bytes)	(8 bytes)	(2 bytes)	(2 bytes)	(User Defined Length)	(4 bytes)
Mac Header	IP Header	UDP Header	Frame No.	Packet Sequence	JPEG Content	CRC

Sequence[N-1]

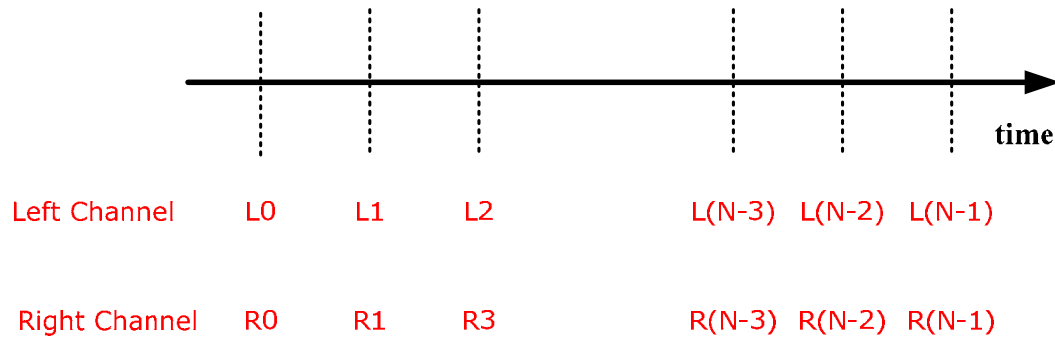
(14 bytes)	(20 bytes)	(8 bytes)	(2 bytes)	(2 bytes)	(4 bytes)		
Mac Header	IP Header	UDP Header	Frame No.	Packet Sequence	JPEG Content	ZeroPadding	CRC

1. Ether Type in Mac Header is 0x0800. (IPv4)
2. Source Port and Destination Port in UDP Header are 0x0814.
3. Packet Sequence : is increased sequentially and the bit15 of Packet Sequence is set to 1 in the final video data packet of a frame.
4. JPEG Content : should follow JPEG JPG file format.
5. If the total packet size is smaller than the minimum frame size (64 bytes) of Ethernet packet, Zero Padding is needed.

## ● UDP Layer AUDIO Packet Format

(14 bytes)	(20 bytes)	(8 bytes)	(4 bytes)	(User Defined Length)	(4 bytes)
Mac Header	IP Header	UDP Header	Time Stamp	AUDIO Data	CRC

1. Ether Type in Mac Header is 0x0800. (IPv4)
2. Source Port and Destination Port in UDP Header are 0x0812.
3. TimeStamp = 0
4. AUDIO Data = SampleData \* N. N is defined by S/W in myBoard.h (PC2TV\_AC97\_SAMPLE\_SIZE).
5. SampleData : 8 bytes per SampleData. There are two PCM samples in one Sequence of PCM samples in SampleData is L1 L0 R1 R0.
6. Per PCM sample is sampled in 16 bits. The value of each sample is Big-Endian.
7. All the PCM samples are sampled according to time.



## ● UDP Layer PS2 Packet Format

(14 bytes)	(20 bytes)	(8 bytes)	(21 bytes)	(1 byte)			(4 bytes)
Mac Header	IP Header	UDP Header	ZeroPadding	DevType+Len	PS2 Scan Code	ZeroPadding	CRC

1. Ether Type in Mac Header is 0x0800. (IPv4)
2. Source Port and Destination Port in UDP Header are 0x0811.
3. DevType+Len :  
    Bit7 : DevType(0:Mouse, 1:Keyboard)  
    Bit6-Bit0 : Length
4. PS2 Scan Code : PS2 Scan Code data with Length defined in DevType+Len field.